

6789

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7612

Arg	Gly	Ser	Asp	Phe	Leu	Val	Thr	Trp	Glu	Ser	His	Asp	Leu	Xaa	Pro
1				5				10						15	

Asp	Ser	Xaa	Xaa	Xaa	Leu	Trp	Val	Ile	Asn	Ile	Gly
		20				25					

&lt;210&gt; 7613

&lt;211&gt; 82

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (74)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7613

Gly	Thr	Val	Asp	Pro	Ala	Pro	Gly	Thr	Ala	Ser	Val	Leu	Leu	Ala	Ala
1				5				10						15	

## 6790

His Gly Arg Glu Arg Gly Ala Ala Ala Arg Arg Ser Arg Met Pro Pro  
                   20                                  25                                  30  
 Gly Pro Glu Val Leu Gln Arg Pro Gly Arg Gly Arg Pro Arg Leu Gly  
                   35                                  40                                  45  
 Gly Arg Arg Thr Ser Gly Glu Glu Ala Gln Glu Arg Trp Arg Leu Gly  
                   50                                  55                                  60  
 Ala Ala Arg Glu Ala Ala Xaa Ala Glu Xaa Xaa Ala Ala His Gly Leu  
                   65                                  70                                  75                                  80  
 Phe Gly

&lt;210&gt; 7614

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7614

Asp Met Xaa Thr Gln Leu Asp Thr Pro Gly Xaa Trp Gln Phe Pro Asp  
           1                                  5                                  10                                  15

Pro Xaa Met Ile  
                   20

&lt;210&gt; 7615

&lt;211&gt; 74

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens



## 6791

<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<400> 7615  
 Val Tyr Ala Xaa Thr Pro Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser  
 1 5 10 15  
 Thr His Ala Xaa Glu Val Arg Trp Ala Leu Xaa Thr Leu Xaa Ile Thr  
 20 25 30  
 Thr Ser Arg Lys Asp Glu Val Arg Asp Leu Val Leu Xaa Phe Gly Met  
 35 40 45  
 Pro Leu Xaa Leu Asp Ser Gln Ser Cys Arg Leu Gly Lys Met Leu Xaa

6792

50

55

60

Leu Ser Trp Ser Ala Ser Cys Xaa Ile Gln  
65 70

&lt;210&gt; 7616

&lt;211&gt; 55

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7616

Arg Xaa Gly Xaa Glu Trp Xaa Leu Lys Gly Gly Xaa Lys Ile Ser Leu  
1 5 10 15

6793

Gly Gly Leu Leu Thr Gly Leu Tyr Ser Xaa Ser Lys Gly Ile Cys Asp  
                   20                  25                  30

His Val Trp Gly Gly Thr Gly Glu Thr His Gly Val Leu Glu Ala Leu  
           35                  40                  45

Xaa Ala Xaa Asp Gly Arg Ala  
       50                  55

&lt;210&gt; 7617

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7617

Trp Tyr Ala Thr Asn Xaa Lys Leu Ile Thr Trp Leu Xaa Leu Gln Phe  
       1                  5                  10                  15

Asn Gly Thr Thr Ile Leu Phe Pro Trp Trp Xaa Leu Thr Leu Pro Asn

6794

	20		25		30										
Gln	Gln	Thr	His	Ser	Cys	Gln	Asp	Arg	Lys	Gln	Lys	Xaa	Xaa	Lys	Pro
	35						40					45			
Val	Ile	Arg	Xaa												
	50														

&lt;210&gt; 7618

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7618

## 6795

Xaa Pro Xaa Xaa Leu Ala Asn Ser Gln Arg Phe Lys Gly Xaa Lys Gly  
 1 5 10 15  
 Pro Arg Arg Pro Pro Gly Ser Gly Ile Pro Gly Ser Thr His Ala Ser  
 20 25 30  
 Gly Cys Ala Arg Glu Trp Val Trp Arg Pro Gly Xaa Gly Arg Xaa Xaa  
 35 40 45  
 Thr His  
 50

<210> 7619  
 <211> 50  
 <212> PRT  
 <213> Homo sapiens

<400> 7619  
 Ile Asn Asn Ser Val Asn Val Tyr Ile Val Asn Asn Cys Ile Ala Leu  
 1 5 10 15  
 Gly Trp Asn Arg Asp Ala Arg Arg Tyr Arg Thr Met Trp Asn Ser Glu  
 20 25 30  
 Lys Gly Ala Leu Lys Asn Glu Ile Leu Leu Phe Leu Pro Gly Glu Ser  
 35 40 45  
 Arg Cys  
 50

<210> 7620  
 <211> 57  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (20)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (25)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE

6796

<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7620  
Pro Leu Leu Ile Cys Ser Leu Arg Glu Thr Arg Leu Pro Asn Ala Lys  
1 5 10 15  
Met Val Asn Xaa Gln Leu Glu Glu Xaa Asp Gln Asp Val Cys Leu Arg  
20 25 30  
Xaa Lys Gly Glu Glu Xaa Xaa Val Gly Ser Met Phe Ala Ser Asp Ile  
35 40 45  
Glu Gly Glu Arg Asn Lys Asn Tyr Lys  
50 55

<210> 7621  
<211> 43  
<212> PRT  
<213> Homo sapiens

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<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7621  
Gln Xaa Ile Asp Leu Glu Gly Tyr Lys Ile Asn Asn Xaa Ala Glu Trp  
1 5 10 15  
Cys Leu Gln Val Phe Thr Val Asp Ser Glu Leu Arg Cys Glu Gly Met  
20 25 30  
Arg Arg His Arg Trp Val Trp Lys Pro Pro Ala

6797

35

40

<210> 7622  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens

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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (9)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (25)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (31)  
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<400> 7622  
 Gly Lys Asp Asp Xaa Ser Ile Leu Xaa Thr Leu Arg Pro Thr Ala Asp  
           1                  5                  10                  15

Arg Glu Glu Gly Glu Cys Gly Gly Xaa Glu Glu Gly Gly Arg Xaa Ala  
                   20                  25                  30

Gly Gly

<210> 7623  
 <211> 38  
 <212> PRT  
 <213> Homo sapiens

<220>  
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6798

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<220>  
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<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7623  
Thr Xaa Thr His Gly Ser Ile Thr Ala Ile Xaa Xaa Ala His His Xaa  
1 5 10 15  
Ser Thr Glu Leu Asn Val Tyr Thr Val Asp Pro Glu Ile Ser Thr Gly  
20 25 30  
His Xaa Xaa Gln Xaa Xaa  
35

<210> 7624  
<211> 44  
<212> PRT  
<213> Homo sapiens



6799

&lt;400&gt; 7624

Leu Val Thr Leu Thr Pro Thr Pro Gln Pro Leu Val Leu Gly Thr Leu  
 1 5 10 15

Ile Pro Thr Leu Gly Pro Leu Pro Leu Gly Ser Ser Asn Gly Trp Thr  
 20 25 30

Ala Gly Leu Trp Ser Gly Trp Ser Ile Ala Val Ala  
 35 40

&lt;210&gt; 7625

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7625

Cys Xaa Trp Ala Asn Pro His Xaa Glu Ser Arg Gly Lys Gly Xaa His  
 1 5 10 15

Leu Ser Pro Arg Gly Gly Xaa Ser Gln Ser Trp Val Glu Lys Thr Pro  
 20 25 30

Leu

&lt;210&gt; 7626

## 6800

<211> 23  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (5)  
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<220>  
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<220>  
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<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7626  
 Asn Leu Xaa Leu Xaa Leu Asp Cys Leu Asp Val Leu Xaa Pro Leu Gly  
           1                  5                  10                  15

His Xaa Xaa Ile Ile Glu Gln  
                   20

<210> 7627  
 <211> 99  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (48)  
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<220>  
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## 6801

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7627

Val	Thr	Ser	Phe	Ser	Ser	Asn	Phe	Phe	Ile	Gln	Glu	Asn	Met	Val	Ile
1				5					10					15	

Tyr	Tyr	Lys	Cys	Leu	Tyr	Leu	Ser	Leu	Ser	Gly	Leu	Trp	Ile	Ile	Leu
			20					25					30		

His	Ile	Ala	Thr	Glu	Ile	Trp	Glu	Phe	Leu	Leu	His	Thr	Ala	Glu	Xaa
		35					40					45			

Ile	Gln	Ser	Ala	Ala	Arg	Ser	Cys	His	Pro	Glu	His	Arg	Arg	Leu	Leu
	50					55					60				

Cys	Ser	Ser	Leu	Gly	Thr	Gly	Pro	His	Gly	His	Arg	Ser	Ser	Xaa	Lys
65					70					75					80

Gly	Arg	Lys	Gly	Gly	Val	Lys	Pro	Lys	Phe	Lys	Pro	Gly	Ile	Phe	Asn
			85						90					95	

Phe Ser Pro

<210> 7628

<211> 72

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

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<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (7)

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<220>

<221> SITE

<222> (17)

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6802

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<220>  
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<222> (58)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7628  
Xaa Glu Xaa Ala Cys Phe Xaa Pro Trp Val Gly Arg Leu Gln His Lys  
1 5 10 15

Xaa Lys Thr Asn Ser Xaa Gln Ala Phe Leu Lys Arg Leu Ile Met Cys  
20 25 30

Ile Lys Val Gln His Arg Arg Val Pro Leu Asn Leu Pro Cys Phe Cys  
35 40 45

Phe Phe Arg Phe Ala Ile Pro Leu Leu Xaa Gly Leu Tyr Xaa Val Ala  
50 55 60

Val Ile Lys Cys Pro Lys Gln Gly  
65 70

<210> 7629  
<211> 19  
<212> PRT  
<213> Homo sapiens

<220>  
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<220>  
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6803

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (19)

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<400> 7629

Asp	Asn	Thr	Cys	Leu	Leu	Lys	Ser	Val	Ala	Ile	Xaa	Xaa	Ala	Xaa	Ile
1				5					10					15	

Trp Xaa Xaa

<210> 7630

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

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<220>

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<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7630

Ala	Xaa	Leu	Xaa	Xaa	Leu	Asn	Gln	Ile	Leu	Asn	Lys	Glu
1				5					10			

<210> 7631

<211> 75

<212> PRT

<213> Homo sapiens

6804

&lt;400&gt; 7631

Leu Lys Val Val Pro Gly Tyr Ala His Thr Val Gly Gln Lys His Arg  
 1 5 10 15

Gln Ile Cys Ser Ile Ser Lys His Val Gly Ala Glu Phe His Leu Phe  
 20 25 30

Gln Val Asn Ile Cys Val Ser Met Pro Asp Ser Gln Pro Trp Thr Cys  
 35 40 45

Thr Ser Ala Ile Thr Trp Pro Trp Met Asp Glu Gly Gly Trp His Val  
 50 55 60

Asn Arg Asn Trp Thr Arg Glu Thr Thr Lys Glu  
 65 70 75

&lt;210&gt; 7632

&lt;211&gt; 74

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7632

Ile Tyr Pro Leu Phe Ile Gln Ser Met Leu Ser Arg Ser Phe Asn Ser  
 1 5 10 15

Asn Phe Thr Thr Val Ser Ser Phe His Cys Gly Ser Ser Arg Asp Leu  
 20 25 30

His Gly Ser Gln Gly Ser Leu Ala Leu Ser Val Ala Asp Arg Arg Gly  
 35 40 45

Xaa Gly Gly His Ile Xaa Arg Val Ser Thr Tyr Thr Arg Pro Ile Leu  
 50 55 60

Leu Ala Cys Arg Arg Glu Asn Pro Lys Phe  
 65 70

6805

<210> 7633  
<211> 71  
<212> PRT  
<213> Homo sapiens

<220>  
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<220>  
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<220>  
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6806

<220>  
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<220>  
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<220>  
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<220>  
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<400> 7633  
 Lys His Lys Cys Ser Met Ser Xaa Leu Lys Ile Tyr His Xaa Phe Val  
 1 5 10 15  
 Thr Phe Ile Trp Ser Ile Ser Ser Xaa Thr Tyr Ile Ser Xaa Ile Leu  
 20 25 30  
 Lys Lys Lys Trp Thr Gly Pro Xaa Asn Ala Xaa Xaa Pro Cys Xaa Xaa  
 35 40 45  
 Xaa Phe Thr His Thr Cys Xaa Gly Asp Ala Val Xaa Ala Glu Xaa Trp



6807

50                      55                      60  
Ser Xaa Asn Trp Xaa Xaa Xaa  
65                      70

<210> 7634  
<211> 65  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7634  
Lys Ile Lys Leu Leu Xaa Phe Arg Phe Phe Ser Val Pro Lys Met Glu  
1                      5                      10                      15

Val Lys Ser Tyr Thr Lys Asn Asn Thr Ile Ala Pro Lys Lys Ala Ser  
20                      25                      30

His Arg Ile Leu Ser Asp Thr Ser Asp Glu Glu Asp Ala Ser Val Thr  
35                      40                      45

Val Gly Thr Gly Glu Lys Leu Arg Leu Leu Ala His Thr Asp Ile Ala  
50                      55                      60

Trp  
65

<210> 7635  
<211> 33  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

6808

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7635

Asn Ile Pro Gly Gln Xaa Asp Ala Leu Leu Lys Val Thr Leu Ser Phe  
1 5 10 15

Gly Arg Ala Xaa Leu Xaa Pro Gln Thr Xaa Glu Tyr Leu Gly Gln Gln  
20 25 30

Ala

&lt;210&gt; 7636

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7636

Leu Val Leu Asp Arg Glu Gln Pro Pro Thr Gly Ser Leu Val Phe Ile  
1 5 10 15

Tyr Asn Lys Ile Val Gly Asp Thr Ser Lys Xaa Xaa Xaa  
20 25

&lt;210&gt; 7637

6809

<211> 86  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (76)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (82)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (83)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7637  
 Thr Cys Arg Arg Phe Gln Pro Arg Pro Arg Cys Leu Leu Ser Ala Asp  
           1                  5                  10                  15  
 Gly Lys Val Phe Leu Asn Leu Trp Phe Ile Pro His Ser Ser Glu Val  
                   20                  25                  30  
 Leu Val Met Phe Lys Thr Leu Pro Glu Lys Ala Ala Phe Lys Ala Leu  
           35                  40                  45  
 Lys Arg Thr Leu Gln Leu Ile Ala Pro Leu His Asp Ile Val Ala Tyr  
           50                  55                  60  
 Leu Val Ser Phe Ala Lys Leu Gly Asn Cys Pro Xaa Cys Phe Glu Phe  
           65                  70                  75                  80  
 Leu Xaa Xaa Pro Thr Leu  
                   85

<210> 7638  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (23)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
 <220>

6810

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7638

Asn	Val	Arg	Thr	Arg	Ser	Pro	Ile	Ala	Gly	Ser	Thr	His	Ala	Ser	Val
1				5					10					15	

Ser	Pro	Leu	Leu	Leu	Thr	Xaa	Phe	Asn	Thr	Glu	Gln	Asn	Ser	Gly	Ala
		20						25					30		

Lys	Xaa	Gly	Xaa
			35

&lt;210&gt; 7639

&lt;211&gt; 49

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6811

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7639

Xaa Arg His Gly His Gly Leu Xaa Thr Leu Pro Val Tyr Val Ala Glu  
1 5 10 15

Gly Ala Xaa Gly Thr Ala Pro Pro Gly Asn Cys Arg Pro Ser Gln Lys  
20 25 30

Leu Leu Lys Phe Xaa Asn Lys His Xaa Ile Trp Arg Ser Gln Ser Xaa  
35 40 45

Xaa

&lt;210&gt; 7640

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7640

Leu Leu Arg Cys Asn Pro Ala Thr Ile Ala Ala Gly Leu His Xaa Lys  
1 5 10 15

Arg Xaa Xaa Ser Lys  
20

6812

&lt;210&gt; 7641

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7641

Gly	Lys	Asn	Gly	Arg	Thr	Tyr	Gln	Thr	Ile	Lys	Arg	Glu	Ile	Pro	Phe
1				5				10					15		

Glu	Pro	Leu	Xaa	Leu	Leu	Lys	Pro	Glu	Xaa	Xaa	Xaa	Phe
		20					25					

&lt;210&gt; 7642

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7642

Leu	Gly	Leu	Ile	Gln	Thr	Leu	Gly	Thr	Lys	Ser	Ile	Asp	Trp	Ser	Ser
1				5				10					15		

Trp	Val	Glu	Gly	Cys	Leu	Leu	Leu	Leu	Asn	Pro	Gly	Ser	Glu	Glu	Asp
		20						25					30		

Trp	Val	Ala	His	Cys	Val	Ser	Phe	Thr	Met	Val	Thr	Thr	Phe	Pro	Phe
		35					40					45			

6813

Leu Thr Ser Leu Leu Ser  
50

&lt;210&gt; 7643

&lt;211&gt; 83

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (59)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (80)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7643

Val Tyr Gly Ser Lys Lys Ile Leu Lys Asn Tyr Gln Lys Val His Lys  
1 5 10 15

Asn Leu Thr Asn Ser His Val Ile Arg Leu Asn Val Leu Arg Glu Pro  
20 25 30

Ala Val Phe His Thr Pro Cys Asn Leu Met Val Ile Ala Pro Gln Gln  
35 40 45

Asp Lys Trp Val Thr Arg Gln Ser Ser Ser Xaa Leu Val Gly Lys Cys  
50 55 60

Gln Tyr Gln His Thr Phe Lys Xaa Phe Tyr Val Asn Leu Gln Ile Xaa  
65 70 75 80

Pro Gly Leu

&lt;210&gt; 7644

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

6814

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7644

Xaa	Xaa	Ala	Cys	Xaa	Asp	Ser	Arg	Ala	His	Lys	Leu	Val	Xaa	Xaa	Glu
1				5					10				15		

Pro

&lt;210&gt; 7645

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7645



## 6815

Glu Ile Xaa Tyr Ile Asn Lys Tyr Lys Xaa Arg  
 1 5 10

<210> 7646

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7646

Pro Xaa Asp Arg Asp Ala Gln Xaa Ala Val Pro Gly Phe Val Lys Xaa  
 1 5 10 15

His Cys Ile Gly Ser Asn Ser Xaa Thr Arg Gly Val Ser Lys Xaa Gly  
 20 25 30

Lys

<210> 7647

<211> 27

<212> PRT

<213> Homo sapiens

6816

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7647  
Val Gly Cys Ser Asp Asp Phe Gly Phe Xaa Ser Lys Asn Asp Gly Ser  
1 5 10 15  
His Thr Val Ile Pro Xaa Pro Xaa Cys Cys Thr  
20 25

<210> 7648  
<211> 30  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7648

6817

Gly Asp Leu Thr Val Trp Asp Asp Lys Met Arg Cys Leu His Xaa Glu  
 1 5 10 15

Lys Ala His Asp Leu Gly Ile Thr Cys Xaa Asp Phe Xaa Xaa  
 20 25 30

&lt;210&gt; 7649

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7649

Gly Asn Lys Gly Asn Cys Leu Trp Leu Glu Ser Xaa Leu Gly Val Asn  
 1 5 10 15

Thr Xaa

&lt;210&gt; 7650

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6818

&lt;400&gt; 7650

His Leu Gln Lys Ile Ser Ala Pro Ala Thr Met Phe Xaa Val Arg Gly  
1 5 10 15

Trp Lys Ser Xaa Xaa Lys Phe Met Val His Thr Pro  
20 25

&lt;210&gt; 7651

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7651

Gly Thr Arg Xaa Leu Glu Arg Asn Ala Pro Gly Glu Lys Thr Asn Ala  
1 5 10 15

Leu Lys Arg Ser Arg Leu Xaa Ser Ser Asn Thr Asp Asp Thr Gln Leu  
20 25 30

Pro Ser Glu Xaa Ala Lys Glu Gln  
35 40

&lt;210&gt; 7652

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6819

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7652  
Ala Asn Xaa Val Pro Pro Arg Xaa Lys Thr Xaa Xaa Glu Phe Tyr Ser  
1 5 10 15  
His Lys Ser Asp Ala Leu Asn Met Ile Gly Xaa Val Arg Pro Ala Ser  
20 25 30

Met

<210> 7653  
<211> 54  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)

## 6820

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7653

Lys Ile His Glu Ser Ala Glu Lys Arg Leu Lys Val Ile Tyr Thr Ser  
1 5 10 15

Gly Arg Arg Asn Asn His Ser Glu Gln His Thr Ser Phe Tyr Thr Ile  
20 25 30

Val Leu His Cys Trp Asp Tyr Ile Xaa Ile Tyr Val Cys Xaa Pro Leu  
35 40 45

Cys Glu His Xaa Ser Met  
50

<210> 7654

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7654

Val Asp Ala Trp Val Val Leu Asp Arg Glu Arg Xaa Pro Phe Phe Phe  
1 5 10 15

Xaa Pro Xaa Ser Pro Pro  
20

<210> 7655

<211> 94

<212> PRT

<213> Homo sapiens

## 6821

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (55)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (63)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (74)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (80)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (84)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (86)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7655  
Ala Arg Phe Pro Xaa Asn Phe Ser Pro Phe Phe Xaa Pro Gln Leu Lys  
1 5 10 15

Xaa Gln Phe Pro Lys Lys Asn Leu Gly Glu Pro Lys Asn Leu Gly Ala  
20 25 30

6822

Leu Ser Phe Pro Phe Phe Ser Pro Leu Gly Gly Glu Pro Lys Lys Ile  
                   35                                  40                                  45

Phe Lys Gly Gly Ala Pro Xaa Lys Val Pro Leu Leu Thr Arg Xaa His  
           50                                  55                                  60

Leu Pro Leu Gly Pro Leu Ile Ser Trp Xaa Phe Phe Pro Phe Phe Xaa  
       65                                  70                                  75                                  80

Pro Leu Gly Xaa Trp Xaa Leu Gly Leu Leu Glu Ala Ser Trp  
                                   85                                  90

&lt;210&gt; 7656

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7656

Glu Gly Ser Leu Ser Ser Glu Thr Gln Asp Gly Xaa Ile Gly Xaa Asn  
       1                                  5                                  10                                  15

Cys Leu Leu Leu Cys Xaa Arg Ala  
                                   20

&lt;210&gt; 7657

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE



6823

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7657

Val	Asp	Ala	Trp	Ala	Arg	Ala	Gln	Ser	Ser	Gly	Ala	Pro	Leu	Pro	Xaa
1				5				10					15		

Thr	Ala	Xaa	Arg
			20

&lt;210&gt; 7658

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7658

Val	Ala	Val	Thr	Ala	Phe	Ile	Ser	Pro	Val	Ile	Phe	Leu	Thr	Glu	Ile
1				5				10					15		

6824

Leu Ser Leu Ser Pro Gly Asn Ile Gly Asp Tyr Gln Asn Xaa Leu Val  
                   20                                  25                                  30

Xaa Ala Xaa Xaa Leu Lys Ile Xaa Lys Gly Lys Asn  
                   35                                  40

&lt;210&gt; 7659

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7659

Lys Met Lys Gly Ile Ile Tyr Asp Lys Xaa Xaa Ser Asp Ile Leu Leu  
       1                                  5                                  10                                  15

Gln

&lt;210&gt; 7660

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6825

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7660

Xaa	Ser	Ile	Gly	Lys	Ala	Gly	Thr	Pro	Gly	Gly	Asn	Gly	Pro	Glu	Xaa
1				5					10					15	

Pro	Gly	Gly	Xaa	Xaa	Cys	Ala	Gly	Leu	Glu	Leu	Tyr	Gly	Glu	Arg	Arg
			20					25					30		

Asp	Ile	Lys	Xaa
			35

&lt;210&gt; 7661

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7661

Ala	Leu	Gly	Glu	Glu	Pro	Leu	Ile	Pro	Ser	Val	Leu	Gln	Trp	Pro	Ser
1					5				10					15	

6826

Ser Leu Gly Pro Xaa Thr Met Cys Xaa Xaa Asp Xaa His Arg Ala Arg  
20 25 30

Val

&lt;210&gt; 7662

&lt;211&gt; 53

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7662

Val Tyr Cys Leu Pro Gln Ser Pro Leu Ser His Tyr Thr Gln Gly Leu  
1 5 10 15

Ala Phe Asn Lys Lys Leu Gly Tyr Ile Pro Lys Ser Lys Ala Asn Asn  
20 25 30

Asp Ser Leu Ser Arg Asp Lys Val Val Asn Arg Asn Arg Pro Arg Ser  
35 40 45

Asn Ala Pro Arg Cys  
50

&lt;210&gt; 7663

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7663

Ile Arg His Ile Val Lys Leu Ser Leu Asp Val Ser Ile Phe Lys Ile  
1 5 10 15

Ile Phe Lys Met Thr Phe Lys Gly Phe Lys His Arg Leu Ser Lys Ser  
20 25 30

Leu Thr Phe Ser Asp Thr Phe Leu Ser Ser Lys Leu Phe Gly Glu Tyr  
35 40 45

Leu Phe Phe Lys Lys Thr Asp Arg  
50 55

&lt;210&gt; 7664

&lt;211&gt; 52

6827

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7664

Ser	Ile	Ser	Tyr	Arg	Leu	Asn	His	Ile	His	Val	Val	Asp	Val	Leu	Xaa
1					5				10					15	

Asn	Arg	Xaa	Trp	Val	Met	Cys	Xaa	Leu	Thr	Ile	Xaa	Thr	Leu	Pro	Val
				20				25					30		

Tyr	Ile	Lys	Ala	Ile	Lys	Asn	Leu	Asn	Ile	Val	Ile	Xaa	His	Cys	Ile
		35					40					45			

Pro	Xaa	Thr	Xaa
			50

6828

&lt;210&gt; 7665

&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7665

Ala	Xaa	Ala	Phe	Ala	Ala	Lys	Leu	Arg	Met	Ser	Asp	Gly	Val	Glu	Ala
1				5				10					15		

Val	Thr	Gly	Ala	Ala	Xaa	Gly	Glu	Val
			20				25	

&lt;210&gt; 7666

&lt;211&gt; 78

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (69)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (73)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (78)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6829

&lt;400&gt; 7666

Gln Tyr Leu Leu Gln Leu Thr Leu Leu His Ser Pro Gln Ile Ile Leu  
 1 5 10 15

Thr Asp Gly Ile Asn Pro Gly Asn Asn Asn Gly Gly Leu Ser Ser Thr  
 20 25 30

Leu Cys His Ser Gly Asn Cys Ala Thr Lys Asn Lys Leu Gly Phe Cys  
 35 40 45

Phe Gly Ile Ala Gly Glu Glu Thr Gln Ala Val Val Ser Cys Lys Ser  
 50 55 60

Leu Ser Glu Thr Xaa Leu Thr Xaa Xaa Leu Phe Ser Leu Xaa  
 65 70 75

&lt;210&gt; 7667

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7667

Thr Phe Val Tyr Lys Met Lys Xaa Xaa Gln Xaa Lys Glu Tyr Lys Xaa  
 1 5 10 15

Met Lys Lys

6830

&lt;210&gt; 7668

&lt;211&gt; 103

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7668

Arg	Thr	Tyr	Phe	Pro	Xaa	Lys	Met	Pro	Thr	Thr	Lys	Lys	Thr	Leu	Met
1				5					10					15	

Phe	Leu	Ser	Ser	Phe	Phe	Thr	Ser	Leu	Gly	Ser	Phe	Ile	Val	Ile	Cys
			20					25					30		

Ser	Ile	Leu	Gly	Thr	Gln	Ala	Trp	Ile	Thr	Ser	Thr	Ile	Ala	Xaa	Arg
		35					40					45			

Asp	Ser	Ala	Ser	Xaa	Gly	Ser	Ile	Phe	Ile	Thr	Tyr	Gly	Leu	Phe	Arg
	50					55					60				

Gly	Glu	Ser	Ser	Glu	Glu	Leu	Ser	His	Gly	Leu	Ala	Glu	Pro	Lys	Lys
65					70					75					80

Lys	Ile	Ala	Val	Leu	Glu	Ile	Leu	Asn	Asn	Ser	Ser	Gln	Lys	Thr	Leu
				85					90					95	

His	Ser	Val	Thr	Ile	Leu	Thr
					100	

&lt;210&gt; 7669

&lt;211&gt; 66

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;



6831

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7669

Gly	Xaa	Leu	Val	Arg	Leu	Gln	Val	His	Gly	Pro	Glu	Phe	Pro	Gly	Arg
1				5					10					15	

Xaa	Thr	Arg	Pro	Asn	Ala	Asp	Val	Xaa	Gln	Lys	Leu	Tyr	Leu	Ser	Ala
			20					25					30		

Phe	Gly	Trp	Thr	Ser	Tyr	Phe	Pro	Leu	Ser	Leu	Asp	Asp	Ala	Ala	Arg
	35						40					45			

Glu	Phe	Leu	Ser	Leu	Phe	Cys	Ser	Arg	Arg	Thr	Ser	Cys	Xaa	His	Gly
	50					55					60				

Gln	Leu
65	

&lt;210&gt; 7670

&lt;211&gt; 125

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6832

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (58)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (115)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (124)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7670

Xaa	Asp	Ser	Leu	Xaa	Gly	Xaa	Leu	Val	Arg	Leu	Gln	Val	Pro	Val	Arg
1				5					10					15	

Asn	Ser	Arg	Val	Xaa	Pro	Arg	Val	Arg	Pro	Arg	Val	Arg	Thr	Ala	Ser
			20					25						30	

Arg	Ala	Thr	Ser	Arg	Gly	Pro	Gln	Gly	Met	Asp	Leu	Gln	Ala	Ala	Gly
		35					40					45			

Ala	Gln	Ala	Xaa	Gly	Ala	Ala	Glu	Pro	Xaa	Arg	Gly	Pro	Pro	Leu	Pro
	50					55						60			

Ser	Ala	Arg	Gly	Ala	Pro	Pro	Ser	Pro	Glu	Ala	Gly	Phe	Ala	Thr	Ala
65					70					75					80

Asp	His	Ser	Gly	Gln	Glu	Arg	Glu	Thr	Glu	Lys	Ala	Met	Asp	Arg	Leu
			85						90					95	

Ala	Arg	Gly	Thr	Gln	Ser	Ile	Pro	Asn	Asp	Ser	Pro	Ala	Arg	Gly	Glu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

## 6833

	100		105		110
Gly Thr Xaa Ser Glu Glu Glu Gly Phe Ala Met Xaa Glu					
115		120		125	

<210> 7671  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 7671  
 Ala Lys Ile Tyr Cys Gly Met His Leu Ile Asn Leu Phe Met  
 1 5 10

<210> 7672  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (18)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7672  
 Ala Asp Ala Trp Ala Asp Phe Gln Asn Glu Val Cys Ala Gly Xaa Xaa  
 1 5 10 15

Leu Xaa Thr Arg Xaa  
 20

6834

&lt;210&gt; 7673

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7673

Ala	His	Ala	Ser	Xaa	Ser	Gly	Arg	Pro	Phe	Xaa	Xaa	Phe	Leu	Xaa	Glu
1				5					10					15	

Ile	Tyr	Xaa	Cys	Thr	Glu
			20		

&lt;210&gt; 7674

&lt;211&gt; 85

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7674

6835

```

Arg Gln Arg Phe Lys Asp Pro Gly Arg Val Ser Leu Ser Arg Gln Cys
 1              5              10              15

Trp His Leu Gln Gln Asp Arg Ala Pro Cys Arg Val Ser Leu Val Lys
          20              25              30

Thr Ala Asp Lys Cys Ser Glu Val Leu Leu Gln Xaa Ala Pro His Gln
          35              40              45

Thr Ser Ser Ala Ala Trp Phe Glu Cys Cys Ser Trp Leu Gln Thr Cys
          50              55              60

Phe Ser Ser Pro Leu Leu Ile Leu Glu Ala Ala Lys Tyr Pro Phe Asn
 65              70              75              80

Glu Phe Leu Phe Cys
          85

```

&lt;210&gt; 7675

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7675

```

Thr Gln Gly Gly Glu Lys Arg Xaa Thr Gly Leu Asn Xaa Pro Xaa Trp
 1              5              10              15

```

```

Pro Arg Gly Phe Lys Pro Arg Gly Val Pro Gly Gly Lys Ile Xaa Tyr
          20              25              30

```

6836

Thr Arg Glu  
35

&lt;210&gt; 7676

&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7676

Gly Glu Asn Lys Arg Ala Val Arg Arg Xaa Arg Asn Asp Trp Gly Gly  
1 5 10 15

Leu Lys Lys Lys Xaa Xaa Pro Pro Gly  
20 25

&lt;210&gt; 7677

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

6837

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7677

Xaa	Gly	Lys	Lys	Ala	Xaa	Xaa	Leu	Thr	Gly	Lys	Arg	Gln	Xaa	Val	Lys
1					5				10					15	

Arg	Gly	Val	Thr	Pro	Gly	Lys	Phe	Tyr	Thr	Gln	Xaa	Val	Thr	Gly	Thr
			20					25					30		

Pro	Asn	Arg	Pro
			35

&lt;210&gt; 7678

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7678

Leu	Gly	Gly	Gly	Lys	Lys	Lys	Val	Pro	Thr	Gly	Val	Xaa	Asn	Arg
1				5				10					15	

Thr	Pro	Pro	Ala	Pro	Arg	Gly	Phe	Lys	Pro	Xaa	Gly	Val	Tyr	Thr	Gly
			20					25					30		

Gly	Lys	Asn
		35

6838

<210> 7679  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (18)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (26)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7679  
 Xaa Gly Pro Glu Xaa Pro Gly Ser Thr His Ala Ser Ala His Ala Phe  
           1                  5                  10                  15  
 Glu Xaa Phe Gly Gln Asp Glu Met Ile Xaa Gly Gly Gly Leu Leu Lys  
                   20                  25                  30

Lys

<210> 7680  
 <211> 37  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE



6839

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7680

Glu	Gln	Xaa	Val	Lys	Arg	Pro	Arg	Gly	Tyr	Arg	Pro	Ser	Ala	Gln	Xaa
1				5				10						15	

Leu	Thr	Ala	Gly	Val	Pro	Gly	Glu	Asn	Xaa	His	Pro	Xaa	Gly	Thr	Gly
			20				25						30		

Thr	Pro	Asn	Gly	Pro
			35	

&lt;210&gt; 7681

&lt;211&gt; 60

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7681

Lys	Leu	Tyr	Ile	Leu	Cys	Glu	Thr	Val	Phe	His	Cys	Pro	His	Ser	Lys
1				5				10						15	

Ile	Ile	Ser	Gln	Leu	Lys	Lys	Ile	Pro	Lys	Gln	Phe	Cys	Val	Leu	Ser
			20				25						30		

Met	Leu	Tyr	Tyr	Tyr	His	His	Ile	Cys	Leu	Val	Leu	Xaa	Leu	Asn	Xaa
			35				40					45			

Phe	Met	Gly	Thr	Phe	Tyr	Val	Phe	Leu	Thr	Ile	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

6840

50

55

60

&lt;210&gt; 7682

&lt;211&gt; 77

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7682

Pro Gln Val Leu Ile Val Glu Glu Ser Met Val Gly Ser Cys Gly Thr

1

5

10

15

Met Ser Ala Val Cys Ser Val Lys Cys Gly Cys Cys Arg Ala Cys Phe

20

25

30

Thr Tyr Gly Lys Val Lys Phe Met Pro Trp Thr Lys Pro Gly Phe Leu

35

40

45

Glu Leu Leu Leu Ala Ser Ile Lys Ile Thr Ser Arg Leu His Val Trp

50

55

60

Ile Cys Ile Pro Ala Gly Gly Ile Ser Cys Phe Ala Asp

65

70

75

&lt;210&gt; 7683

&lt;211&gt; 137

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7683

Thr Arg Ala Gln Ser Asp Ser Ser Gln Thr Leu Gly Ser Ser Met Asp

1

5

10

15

Cys Ser Thr Ala Arg Glu Glu Pro Ser Ser Glu Pro Gly Pro Ser Pro

20

25

30

Leu Pro Leu Pro Ser Gln Gln Gln Val Glu Glu Ala Thr Val Gln Asp

35

40

45

Leu Leu Ser Ser Leu Ser Glu Asp Pro Cys Pro Ser Gln Lys Ala Leu

50

55

60

Asp Pro Ala Pro Leu Ala Arg Pro Ser Pro Ala Gly Ser Ala Gln Thr

65

70

75

80

Ser Pro Glu Leu Glu His Arg Val Ser Leu Phe Asn Gln Lys Asn Gln

85

90

95

## 6841

Glu Gly Phe Thr Val Phe Gln Ile Arg Pro Val Ile His Phe Gln Pro  
                   100                                  105                                  110

Thr Val Pro Met Leu Glu Asp Lys Phe Arg Ser Leu Glu Ser Lys Glu  
                   115                                  120                                  125

Gln Lys Leu His Arg Val Pro Glu Ala  
                   130                                  135

<210> 7684

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7684

Asp Phe Leu Tyr Gly Tyr Leu Glu Ile Leu Tyr Met Lys Asn Asn Xaa  
           1                                  5                                  10                                  15

Trp Phe Lys Ile Asp His Phe Asn Lys Xaa Thr Ile Phe Leu Phe Thr  
                   20                                  25                                  30

Lys Met Leu Phe Phe Tyr Asp Val Asn Asn Cys  
                   35                                  40

<210> 7685

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

6842

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7685

Gly	Arg	Asn	Leu	Val	Arg	Glu	Ile	Arg	Tyr	Xaa	Val	Val	Ser	Asn	His
1				5				10						15	

Lys	Val	Phe	Val	Xaa	Phe	Lys	Trp	Ile	Asp	Tyr	Leu	Xaa	Xaa
			20				25					30	

<210> 7686

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6843

&lt;400&gt; 7686

Xaa Ala Glu Thr Ala Lys Asp Val Gly Xaa Glu Ala Thr Ile His Leu  
 1                      5                      10                      15

Lys Ser Ala Tyr Xaa Pro Tyr Tyr Ser Glu Gly Val Xaa Gln Trp Asn  
                     20                      25                      30

Lys Xaa

&lt;210&gt; 7687

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7687

Ser Gly Ile Lys Cys Phe Thr Glu Ala Met Gly Tyr Val Ser Ile Gly  
 1                      5                      10                      15

Arg Gly Ala Phe His Ser Ala Leu Lys Ala Asn Val Ser Phe Thr Gly  
                     20                      25                      30

Ala Cys Gly Lys Ala Asn Val Xaa Ile Ser Asn Asp Lys Gly Gly Glu  
                     35                      40                      45

Lys Pro Pro Arg Xaa Lys Thr Xaa Val Ser  
                     50                      55

&lt;210&gt; 7688

&lt;211&gt; 77

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

6844

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

6845

<220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (56)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (67)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (71)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7688  
 Leu Gly Thr Ile Tyr Leu Gln Met Phe Cys Ser Ile Asp Cys Ser Asn  
 1 5 10 15  
 Gln Gly Phe Phe Leu Xaa Asn Gln Xaa Trp Xaa Val Xaa Xaa Xaa Lys  
 20 25 30  
 Xaa Pro Glu Xaa Lys Xaa Xaa Asn Trp Xaa Leu Glu Asn Leu Arg Glu  
 35 40 45  
 Lys Ile Asn Ser Asn Lys Phe Xaa Ile Leu Pro Leu Arg Thr Leu Asn  
 50 55 60  
 Gly Glu Xaa Leu Lys Lys Xaa Phe Phe Phe Lys Pro Ser  
 65 70 75

<210> 7689  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (99)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (104)

## 6846

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7689

Ala	Asp	Ala	Trp	Val	Leu	Lys	Lys	Leu	Gly	Leu	Ile	Val	Tyr	Ser	Ala
1				5					10					15	

Trp	Ser	Thr	Ser	Ala	Phe	Leu	Pro	Leu	Leu	Leu	Pro	Phe	Ser	Tyr	Ser
			20					25					30		

Arg	Leu	Phe	Leu	Asn	Ser	Val	Met	Leu	Ala	Phe	Thr	Lys	Ala	Leu	Thr
		35					40					45			

Phe	Pro	Val	Ile	Arg	Lys	Arg	Cys	Leu	Cys	Phe	His	Tyr	Phe	Ser	Tyr
	50					55					60				

Lys	Lys	Thr	His	Ser	Gln	Ile	His	Ile	His	Tyr	Thr	Val	Cys	Gly	Ile
65					70					75					80

Thr	Pro	Ser	Leu	Asn	Gly	His	Ser	Val	Asp	Phe	Thr	Ile	Met	Ala	Thr
				85					90					95	

Leu	Cys	Xaa	Trp	Met	Gln	Asn	Xaa	Xaa	Xaa
			100				105		

<210> 7690

<211> 50

<212> PRT

<213> Homo sapiens

<400> 7690

Val	Leu	Val	Arg	Arg	Cys	Gln	Phe	Cys	Trp	Leu	Phe	Asn	Asn	Thr	Gly
1				5					10					15	

Trp	Leu	Val	Leu	Ile	Asp	Asn	Leu	Gln	Tyr	Leu	Tyr	Ser	Arg	Phe	Val
			20					25					30		

Pro	Glu	Ile	Met	Asn	Leu	Asn	Phe	Leu	Leu	Pro	Ser	Ser	Cys	Asn	Trp
		35					40					45			



6847

Ile Val  
50

<210> 7691  
<211> 19  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7691  
Ala Leu Leu Met Arg Asp Val Arg Leu Pro Gly Gly Xaa Xaa Ala Leu  
1 5 10 15

Ser Xaa Asp

<210> 7692  
<211> 26  
<212> PRT  
<213> Homo sapiens

<400> 7692  
Leu Glu Asn Lys Cys Val Pro Ala Gln Ser Val Gly Ala Pro Gln Pro  
1 5 10 15

Trp Pro Gln Asp Arg Cys Glu Ala Met Asn  
20 25

<210> 7693  
<211> 15  
<212> PRT

6848

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7693

Phe	Glu	Thr	Ser	Leu	Thr	Gly	His	Gly	Gly	Gly	Pro	Phe	Xaa	Ser
1				5					10				15	

&lt;210&gt; 7694

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7694

Ala	Pro	Pro	Pro	Ala	Gly	Gly	Gly	Gly	Val	Xaa	Asp	Gly	Xaa	Xaa	Xaa
1				5					10				15		

Ile	Xaa	Glu	Arg	Val
				20

6849

<210> 7695  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (26)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (31)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7695  
 Val Thr Arg Arg His Gly Cys Leu Leu Ser Trp Arg Ile Ser Gln Gly  
           1                  5                  10                  15  
 Leu Leu Ala Gly Asn Leu Thr Xaa Asn Xaa Asp Leu Thr Val Xaa Cys  
                   20                  25                  30  
 Gln Ile Lys Lys Thr Phe Xaa Pro Cys  
           35                  40

<210> 7696  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (16)

## 6850

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7696

Ile Thr Ser Ser Phe Val Ala Lys Lys Ile Cys Tyr Thr Xaa Leu Xaa

1

5

10

15

Leu Tyr Leu Asn Asn Asn Leu Cys Ala Gly Met Asp Ile Met Pro His

20

25

30

Cys

<210> 7697

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

## 6851

<222> (59)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (60)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (63)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (65)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (78)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (86)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (94)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7697

Ala Glu Tyr Thr Phe Leu Leu Leu Phe Trp Lys Arg Xaa Ala Cys Val  
 1 5 10 15

Leu Val Leu Thr Ala Arg Pro Ser Arg Pro Leu Leu Pro Lys Trp Trp  
 20 25 30

Gln Tyr Leu Ala Ile Gly Arg Xaa Ile Xaa Xaa Ala Cys Thr Phe Lys  
 35 40 45

Ile Xaa Ala Asp Val Leu Xaa Arg Ser Leu Xaa Xaa Ala Ala Xaa Ser  
 50 55 60

Xaa Leu Gln Ser Val Leu Asn Ser Met Lys Ile Thr Met Xaa Ser Leu  
 65 70 75 80

Thr Phe Val Thr Leu Xaa Tyr Leu Leu Ala His Phe Thr Xaa Thr Ile  
 85 90 95

6852

<210> 7698  
<211> 60  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (47)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7698  
Arg Leu Asp Asn Gln Glu Met Thr Asn Gln Glu Ser Ala Val His Val  
1 5 10 15  
Lys Met Met Pro Glu Phe Gln Lys Ser Ser Val Arg Ile Lys Asn Pro  
20 25 30  
Thr Arg Val Xaa Xaa Ile Ile Cys Gly Leu Ile Lys Gly Gly Xaa Ala  
35 40 45  
Lys Leu Xaa Ile Ile Thr Asp Phe Asp Met Thr Leu  
50 55 60

<210> 7699  
<211> 40  
<212> PRT  
<213> Homo sapiens

## 6853

<220>  
 <221> SITE  
 <222> (32)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (37)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7699  
 Cys Glu Ala Ala Glu Arg Thr Ala Thr Pro Gly Glu Ala Arg Ala Pro  
           1                  5                  10                  15  
 Gly Ala Gly Ala Gly Ala Gly Ala Ala Pro Ser His Ala Arg Gly Xaa  
                   20                  25                  30  
 Arg Arg Ala Pro Xaa Glu Xaa Arg  
           35                  40

<210> 7700  
 <211> 60  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (37)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (48)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7700  
 His Gln Glu Ser Leu Lys Cys Leu Asn Cys Glu Leu Ile Arg Arg Lys  
           1                  5                  10                  15

## 6854

Met Lys Tyr Val Ser Thr Leu Val Thr Leu Val Phe Thr Asp Ile Met  
                   20                  25                  30

Ile Ser Leu Gln Xaa Tyr Xaa Thr Asn Glu Lys Leu Glu Ala Ile Xaa  
                   35                  40                  45

Glu Pro Cys Asp Gly Val Lys Pro Thr Phe Asp Arg  
                   50                  55                  60

<210> 7701

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7701

Gly Thr Trp Trp Cys Cys Cys Leu Lys Pro Pro Cys Tyr Leu Leu Val  
       1                  5                  10                  15

Gly Leu Asn Pro Asp His Pro Ile Xaa Glu Thr Xaa Gly Xaa Arg Leu  
                   20                  25                  30

Lys

<210> 7702

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)



## 6855

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7702

His	Thr	Lys	Cys	Ile	Leu	Ser	His	Ile	Asn	Tyr	Ala	Leu	Gln	Val	Gly
1				5				10					15		

Arg	Val	Asp	Thr	Val	Asp	Thr	Ala	Phe	Leu	Met	Leu	Ser	His	Cys	Asp
		20					25						30		

Gln	Lys	Leu	Phe	Tyr	Ser	Cys	Val	Ala	Phe	Ile	Glu	Gly	Asp	Leu	Xaa
	35						40					45			

Lys	Phe	Glu	Lys	Phe	Xaa	Ile
	50					55

<210> 7703

<211> 27

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7703

Leu	Ile	Arg	Glu	Asp	Cys	Gln	Xaa	Xaa	Lys	Leu	Trp	Asp	Glu	Xaa	Val
1					5				10					15	

6856

Ser His Xaa Val Glu Gly Pro Asn Phe Leu Lys  
           20                                  25

&lt;210&gt; 7704

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7704

Gly Phe Ala Val Phe Cys Leu Pro Xaa Ser His Trp Leu Ser Cys Tyr  
   1                  5                          10                          15

Tyr Ile Tyr Cys Cys Phe Met Ile Tyr Phe Glu Tyr Gly Ala Tyr Asp  
           20                          25                          30

Leu Gly Thr Asn Ala Tyr Xaa Leu Tyr Xaa Asp Tyr Ser Xaa Ile Tyr  
           35                          40                          45

His Ser Val Xaa Xaa Asn

6857

50

&lt;210&gt; 7705

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (58)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7705

Asp	Arg	Asp	Tyr	Gly	Ser	Ser	Gly	Gly	Lys	Asp	Gln	Pro	Ala	Pro	Asn
1				5					10					15	

Gly	Asp	Cys	Val	Gly	Ala	Ala	Thr	Leu	Phe	Pro	Gln	Ala	Phe	Leu	Ser
			20					25					30		

Pro	Phe	Ile	Ser	His	Glu	Met	Gly	Ser	Glu	Leu	Lys	Lys	Lys	Leu	Phe
			35				40					45			

Lys	Arg	Arg	Arg	Xaa	Leu	Asn	Xaa	Glu	Xaa
				50		55			

&lt;210&gt; 7706

&lt;211&gt; 84

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6858

&lt;222&gt; (74)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (82)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7706

Tyr	Leu	Phe	Tyr	Lys	Met	Gln	Ser	Gln	Val	Pro	Gln	Pro	Arg	Leu	Ser
1				5					10					15	

Gln	Thr	Cys	Ser	Leu	Met	Thr	Gln	Val	Ser	Leu	Arg	Tyr	Ser	Trp	Cys
			20					25					30		

Pro	Pro	Gly	Gln	Thr	Val	Ser	Leu	Ile	Ile	Thr	Lys	Ala	Lys	Ala	Trp
		35					40					45			

Val	Gly	Glu	Gln	Val	Ser	Ser	Phe	Tyr	Pro	Ser	Gln	Ala	Ala	His	Leu
	50					55					60				

Leu	Phe	Lys	Asn	Ser	Lys	Ser	Xaa	Asn	Xaa	Lys	Phe	Gly	His	Glu	Pro
65					70					75					80

Leu Xaa Asn Leu

&lt;210&gt; 7707

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

6859

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7707

Gly	Xaa	Ile	Leu	Gln	Lys	Arg	Asn	Cys	Xaa	Ala	Gly	Val	Ile	Xaa	Xaa
1				5				10						15	

Asn

&lt;210&gt; 7708

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7708

Leu	Pro	Gly	Trp	Arg	Trp	Pro	Leu	Thr	Asp	Met	Ala	Ser	Glu	Glu	Cys
1				5				10						15	

Ser	Thr	Lys	His	Gly	Pro	Lys	Ser	Thr	Pro	Gln	Lys	Arg	Lys	Gly	Met
			20					25					30		

Lys	Gly	Ser	Phe	Ala	Cys	Phe	Thr	His	Leu	Ser	Arg	Ser	Gly	Pro	Xaa
		35					40					45			

Arg	Glu	Asp	Leu	Leu	His	Cys	Cys
	50					55	

&lt;210&gt; 7709

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6860

<220>  
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<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (65)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7709  
 Phe Tyr Phe Xaa Lys Met Ser Xaa Gly Phe Pro Phe Pro Leu Xaa Xaa  
 1 5 10 15  
 Gln Leu His Ala Ser Pro Gly His Lys Ile Leu Ser Asp Cys Xaa Ile  
 20 25 30  
 Tyr Ser Ile Thr Cys Gln Xaa Tyr Val Pro Val Val Asp Tyr Ile Ser  
 35 40 45

## 6861

Xaa Leu Xaa Gly Leu Gly Leu Val Phe Arg Ile Asp Ser Lys Gly Xaa  
50 55 60

Xaa Lys Ala  
65

<210> 7710

<211> 49

<212> PRT

<213> Homo sapiens

<220>

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<220>

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<222> (8)

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<220>

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<222> (12)

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<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7710

Gln Leu Glu Glu Xaa Ser Val Xaa Asn Pro Glu Xaa Ala Phe Met Lys  
1 5 10 15

6862

Met Xaa Gln Ala Arg Lys Asn Tyr Thr Ser Thr Glu Leu Thr Val Glu  
20 25 30

Pro Glu Xaa Pro Ser Xaa Ser Xaa Gly Ile Asn Leu Ser Gly Phe Gly  
35 40 45

Ser

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<210> 7711
<211> 38
<212> PRT
<213> Homo sapiens
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
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<220>
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<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 7711
Leu Xaa Xaa Gly Ala Xaa Xaa Pro Phe Thr Lys Pro Arg Asp Leu Val
  1                      5              10              15
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6863

Leu Pro Ile Pro Ala Val Cys Thr Lys Gly Pro Arg Gln Ala Met Ser  
20 25 30

Ala Phe Arg Xaa Leu Xaa  
35

<210> 7712  
<211> 50  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7712  
Thr Val Xaa Leu Lys Thr Gln Asn Cys Xaa Leu Pro Thr Asn Gln Ser  
1 5 10 15

Phe Asp Leu Leu Arg Gln Ile Cys Phe Glu Ile Val Asn Ile Arg Gly  
20 25 30

Asn Leu Val Thr Arg Phe Val Thr Arg His Leu Phe Ser Leu His Gly  
35 40 45

Glu Lys  
50

<210> 7713  
<211> 23  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (14)

## 6864

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7713

Ala	His	Ala	Ser	Xaa	Ile	Phe	Lys	Asn	Leu	Ser	Met	Val	Xaa	Gly	Trp
1				5					10					15	

Xaa	Tyr	Thr	Asn	Xaa	Cys	Ile
						20

<210> 7714

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6865

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 <222> (47)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (56)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (61)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (69)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (70)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7714  
 Xaa Glu His His Ala Phe Pro Ser Leu Gln Xaa Xaa Thr Pro Ser Ala  
 1 5 10 15  
 Ala Phe His Leu Tyr Leu Xaa Ser Ile Ile Ile Ile Ile Ala Xaa  
 20 25 30  
 Val Ala Ser Val Thr Val Gly Met Glu Cys Leu Arg Leu Ala Xaa Trp  
 35 40 45  
 Val Gly His Thr Thr Leu Cys Xaa Val Asp Leu Leu Xaa Ser Ser Leu  
 50 55 60  
 Lys Leu Phe Tyr Xaa Xaa  
 65 70

<210> 7715  
 <211> 45  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (33)

## 6866

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7715

Phe	Leu	Ile	Met	Ser	Asn	Asp	Cys	Lys	Ser	Ala	Trp	Ile	Phe	Thr	Cys
1				5				10					15		

Lys	Gly	Tyr	Ser	Cys	Ile	Val	Arg	Ser	Pro	Ser	Pro	Ala	Glu	Ser	Ser
			20					25					30		

Xaa	His	Trp	Leu	Ala	Val	Cys	Cys	Val	Xaa	His	Ser	Phe
	35						40					45

<210> 7716

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

## 6867

&lt;222&gt; (107)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7716

Leu Ala Arg Gly Asn Pro Gly Ser Arg Xaa Asn Phe Pro Gly Gly Phe  
 1 5 10 15

Xaa Pro His Xaa Gly Pro Ala Cys Lys Ser Trp Ile Gly Gln Pro Gly  
 20 25 30

Leu Pro His Phe Pro Gly Xaa Gln Pro Ser Gln Ile Arg Thr Pro Ile  
 35 40 45

Phe Gly Leu Ala Lys Pro Arg Xaa Pro Lys Leu Arg Ala Leu Gly Ser  
 50 55 60

Ile Arg Val Ala Ser Ser Leu Pro Val Pro Asp Leu Ile Leu Arg Gln  
 65 70 75 80

Arg Leu Leu Gln Asp Pro Val Ala Arg Pro Gln Ala Met Ala Gly Pro  
 85 90 95

Phe Ser Arg Leu Cys Pro Pro Pro Gly Leu Xaa Leu Cys Phe Gly Gly  
 100 105 110

Arg Gly Leu Tyr Arg Gly Phe Val Asp Glu Leu Thr Thr Ala Val Thr  
 115 120 125

Thr Glu Val Ile Pro Thr  
 130

&lt;210&gt; 7717

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

6868

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7717

Leu	Xaa	Xaa	His	Cys	Ser	Glu	Leu	Thr	Cys	Val	Pro	Pro	Trp	Thr	Ile
1				5				10					15		

Asn	Gly	Xaa	Ile	Asn	Pro	Xaa	Lys	Tyr	Lys	Xaa	Pro	Pro	Arg	Glu	Gly
			20				25						30		

Leu	Arg	Gly	Xaa	Pro	Gly	Xaa	Leu	Ser
		35					40	

<210> 7718

<211> 28

<212> PRT

<213> Homo sapiens

<220>

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<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

6869

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7718

His	Gln	Trp	Lys	Gln	Leu	Ala	Ser	Leu	Leu	Arg	Xaa	Leu	Trp	Val	Arg
1				5					10					15	

Xaa	Xaa	Arg	Pro	Asn	Lys	Arg	Arg	Leu	Cys	Xaa	Cys
			20					25			

&lt;210&gt; 7719

&lt;211&gt; 53

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7719

Glu	Phe	Met	Leu	Lys	Trp	Ile	Tyr	Arg	Ile	Phe	Val	Asn	Leu	Phe	Leu
1				5					10					15	

Val	Phe	Val	Arg	Phe	Phe	Asn	Cys	Ser	Phe	Leu	Cys	Ala	Glu	Cys	Ile
			20					25					30		

Ser	Leu	Pro	Gly	Gln	Glu	Cys	Gly	Gly	Ala	Glu	Val	Ser	Ser	Phe	Xaa
			35				40							45	

Xaa	Thr	Phe	Xaa	Gln
				50

6870

&lt;210&gt; 7720

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7720

Glu	Pro	Leu	Thr	Lys	Asn	Pro	His	Cys	Pro	Cys	Xaa	Gly	Ala	Val	Val
1				5				10						15	

Val	Asn	Ser	Pro	Xaa	Gly	Leu	Asn	Glu	Gly	Val	Lys	Xaa	Tyr	Glu	Pro
			20				25						30		

Asp	His	Xaa	Ala	Ile
				35

&lt;210&gt; 7721

&lt;211&gt; 80

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7721

Ile	Arg	His	Val	Arg	Leu	Asp	Ile	Ser	Asp	Leu	Ala	Leu	Arg	Lys	Ser
1				5				10						15	

Lys	Thr	Val	His	Ser	Gln	Val	Leu	Ser	Arg	Ser	Phe	Ala	Glu	Phe	Gln
			20				25						30		

Gly	Leu	Arg	Cys	Met	Ala	Ser	His	Gly	Arg	Trp	Tyr	Leu	Arg	Ala	His
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



6871

35 40 45  
Leu Arg Arg Gly Leu Ser Ala Gly Glu Gly Gly Ser Phe Ser Glu Glu  
50 55 60  
Pro Val Gly Thr Ala Ile Cys Gln Ala Leu Val Trp Ala Leu Gly Leu  
65 70 75 80

<210> 7722  
<211> 26  
<212> PRT  
<213> Homo sapiens

<400> 7722  
Arg Thr Arg Gly Pro Leu Phe Pro Leu Gln Thr Asn Asn Ser Ser Val  
1 5 10 15  
Thr Phe His Leu Ile Pro Thr Pro Leu Met  
20 25

<210> 7723  
<211> 72  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1)  
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<220>  
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<222> (10)  
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<220>  
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<220>  
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6872

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 <222> (38)  
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<220>  
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<220>  
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 <222> (63)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7723

Xaa Asn Pro Pro Pro His Arg Ala Ser Xaa Xaa Ile Lys Pro Gln Ala  
 1 5 10 15

Ser Gln Thr Ser Phe Lys Xaa Gly Glu Lys Arg Asp Val Val Val Asn  
 20 25 30

Arg Arg Phe Val Glu Xaa Gly Glu His Arg Gly Cys Xaa Ala Gly Arg  
 35 40 45

Ile Phe Ser Pro Arg Gly Xaa Ala Ala Leu His Xaa Pro Leu Xaa Arg  
 50 55 60

Gly Arg Asn Leu Ala Ile Ala Leu  
 65 70

<210> 7724

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

## 6873

<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
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<220>  
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<222> (21)  
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<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7724  
Xaa Trp Pro Trp Pro Trp Thr Gly Leu Pro Trp Xaa Val Gly Asn Xaa  
1 5 10 15  
Lys Leu Gly Lys Xaa Gly Val Leu Ile Gly Trp Gly Xaa Pro Glu Asn  
20 25 30  
Ser Xaa

<210> 7725  
<211> 56  
<212> PRT  
<213> Homo sapiens

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<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids  
  
<220>

6874

<221> SITE  
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 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7725  
 Ser Pro Pro Cys Ser Xaa Glu Ile Asp Ser Pro Xaa Arg Val Leu Gln  
     1                    5                    10                    15  
  
 Gln Pro Thr Thr Gly Cys Ser Ala Val Ala Leu Gly His Arg Gly Ala  
             20                    25                    30  
  
 Ser Ser Pro Xaa Ser Lys Leu Ser Arg Glu Xaa Gly Lys Trp Gly Arg  
             35                    40                    45  
  
 Arg Val Xaa Xaa Xaa Val Glu Thr  
     50                    55  
  
  
 <210> 7726  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE

6875

<222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
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 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7726  
 Xaa Asp Pro Arg Xaa Pro Leu Ile Asn Gln Thr Leu Asp Phe Pro Glu  
   1                  5                  10                  15  
  
 Arg Ser Ser Leu Xaa Xaa Cys Leu Arg Lys Cys Lys  
                   20                  25

<210> 7727  
 <211> 42  
 <212> PRT  
 <213> Homo sapiens

<400> 7727  
 Glu Ala Ile Asp Leu Phe Phe Asn His Pro Met Arg Lys Glu Gln Thr  
   1                  5                  10                  15  
  
 Ile Trp Ser Ile Thr Ile Leu Ser Met Gln Met Lys Trp Gln Lys Gln  
                   20                  25                  30  
  
 Asn Asn Lys Asn Thr Phe Arg Ser Lys Asn  
                   35                  40

<210> 7728  
 <211> 51  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE

6876

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7728

Asn	Ile	Cys	Leu	Phe	Ile	Phe	Arg	Asp	Val	Pro	Xaa	Leu	Lys	Arg	Arg
1				5					10					15	

Leu	Val	Phe	Ser	Ser	Xaa	Leu	Xaa	Cys	Ile	Leu	Phe	Ile	Tyr	Glu	Val
			20					25					30		

Ser	Ser	Glu	Asn	Cys	Xaa	Trp	Tyr	Phe	Ser	Ala	Phe	Val	Ser	Gln	Xaa
		35					40					45			

Glu	Xaa	Ile
		50

&lt;210&gt; 7729

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

6877

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7729

Xaa	Xaa	Leu	Gly	Lys	Thr	Pro	His	Tyr	Arg	Leu	Lys	Leu	Val	Arg	Leu
1				5					10				15		

Gln	Val	Pro	Val	Arg	Asn	Ser	Arg	Val	Asp	Pro	Arg	Val	Arg	Pro	Xaa
			20					25					30		

Val	Arg	Cys	Ala	Ser	Asp	Ser	Glu	Arg	Xaa	Pro	Xaa	Pro	Gly	Gln	Xaa
		35					40					45			

Gly	Pro	Gly	Ala
	50		

<210> 7730

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

6878

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7730

Ile	Xaa	Tyr	Ser	Gln	Arg	Val	Thr	Gln	Gln	Leu	Cys	Ser	Pro	Ala	Phe
1				5				10						15	

Leu	Gln	Xaa	Xaa	Tyr	Xaa	His	Val	Pro
		20					25	

&lt;210&gt; 7731

&lt;211&gt; 30

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7731



6879

Asn Phe Leu Met Glu Lys Asp Asn Val Tyr Phe Gly Arg Val Xaa Xaa  
 1 5 10 15

Lys Arg Ile Phe Xaa Ile Ser Tyr Ile Ser Lys Phe Leu Xaa  
 20 25 30

&lt;210&gt; 7732

&lt;211&gt; 30

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7732

Ser Val Asn Val Ile Phe Asn Asn Thr Tyr Ile Tyr Ser Gly Met Ser  
 1 5 10 15

Gln Thr Ser Ala Thr Phe Gln Leu Xaa Ser Lys Gln Ala Pro  
 20 25 30

&lt;210&gt; 7733

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7733

Arg Lys Thr Asn Gly Val Thr Asp Gln Ser Ile Gln Ser Asn Asn Ser  
 1 5 10 15

Ala Ser Lys Lys Leu Lys Gly Met Val Leu Ile Leu Gln Pro Phe Gln  
 20 25 30

Gln Asn Leu Lys Val Glu Glu Gly Leu Ser Glu Lys Asp Leu Cys Val  
 35 40 45

Trp Leu Leu Phe Asn Ala Lys Asn Pro Ser Glu Ile Pro Arg Thr Pro  
 50 55 60

Thr Lys Leu  
 65

&lt;210&gt; 7734

6880

<211> 18  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7734  
Arg Tyr Lys Ser Cys Leu Asn Arg Xaa Arg Arg Gly Ser Tyr Arg Gly  
1 5 10 15

Xaa Xaa

<210> 7735  
<211> 59  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (53)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7735  
Gly Phe Leu Val Leu Met Leu Val Lys Val Cys Ala Gly Ile Ser Lys  
1 5 10 15

Ser Leu Lys Lys Val Phe Thr Gly His Trp Ala Val Val Arg Glu Gly  
20 25 30

Leu Thr Asn Pro Trp Ile Pro Asp Asn Trp Ser Trp Gly Gly Val Ala  
35 40 45

Ser Glu His Cys Xaa Cys Tyr Arg Val Leu His  
50 55

6881

<210> 7736  
<211> 27  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7736  
Asn Xaa Asp Val Thr Val Leu Ala Ile Xaa Leu Gly Asn Val Tyr Xaa  
1 5 10 15

Phe Leu Xaa Tyr Leu Lys Cys Ile Ile Thr Lys  
20 25

<210> 7737  
<211> 145  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (72)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (136)  
<223> Xaa equals any of the naturally occurring L-amino acids

6882

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (140)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (143)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (144)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7737

Thr	Gln	Ser	Cys	Gln	Ser	Leu	Tyr	Pro	Phe	Ser	Cys	Pro	Gly	Ala	Gln
1				5					10					15	

Arg	Glu	Thr	His	Leu	Pro	Leu	Ala	Leu	Pro	Glu	Trp	Leu	Leu	Arg	Thr
			20					25					30		

Pro	Cys	Pro	Ala	Gln	Leu	Ser	Leu	Gly	Gly	Asp	Glu	Glu	Arg	Gln	Trp
		35					40					45			

Trp	Ser	Trp	Gln	Gln	Asn	Ala	Gln	Pro	Leu	Val	Ala	Gly	Leu	Asp	Lys
	50					55						60			

Gly	Lys	Leu	Asp	Gln	Glu	Ala	Xaa	Ile	Arg	Asp	Leu	Pro	Leu	Pro	Arg
65					70					75					80

Lys	Ala	Arg	Leu	Gln	Leu	Gln	Ala	Gly	Ser	His	Pro	Leu	Leu	Leu	Ala
				85					90					95	

Leu	Gly	Lys	Gly	Thr	Gln	Arg	Leu	Ala	Cys	Pro	Cys	Leu	Gly	Gln	Cys
			100					105					110		

Glu	Val	Leu	Pro	Tyr	Pro	His	His	Gly	Val	His	Gly	Leu	Phe	Ile	Leu
		115					120					125			

Ala	Gln	Leu	Thr	Leu	Tyr	Thr	Xaa	Thr	Val	Leu	Xaa	Ala	His	Xaa	Xaa
		130				135					140				

Leu  
145

&lt;210&gt; 7738

&lt;211&gt; 22

&lt;212&gt; PRT

6883

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7738

Glu	Arg	Ala	Ser	Leu	Val	Pro	Thr	Gly	Val	Ala	Xaa	Val	Ser	Ser	Thr
1				5				10				15			

Pro	Asp	Xaa	Xaa	Pro	Pro
			20		

&lt;210&gt; 7739

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7739

Gly	Trp	Xaa	Lys	Cys	Thr	Thr	Leu	Arg	Pro	Ala	Xaa	Gly	Ala	Val	Xaa
1				5				10				15			

Glu	Gly	Leu	Asp	Arg
-----	-----	-----	-----	-----

6884

20

<210> 7740  
<211> 20  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7740  
Asn Glu Leu Thr Phe Ile Lys Arg Tyr Arg Thr Cys Xaa Trp Ala Xaa  
1 5 10 15

Trp Xaa Gly Xaa  
20

<210> 7741  
<211> 98  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (88)

6885

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7741

Cys	Xaa	Tyr	Phe	Gln	Gly	Val	Leu	Gly	Asn	Asn	Ile	Leu	Gln	Thr	His
1				5					10					15	
Leu	Val	Leu	Phe	Arg	Ser	Ile	Ser	Trp	Lys	Arg	Pro	Ala	Ser	Cys	Cys
			20					25					30		
Leu	Ser	Met	Asp	Leu	Asn	Phe	Tyr	Phe	Tyr	Ser	Leu	Met	Lys	Thr	Gln
		35					40					45			
Pro	Phe	Ser	Ile	Trp	Gly	Gln	Ser	Val	Ser	Leu	Val	Ser	Val	Cys	His
	50					55					60				
Phe	Met	Ser	Tyr	Ala	His	Tyr	Gln	Gln	Leu	Thr	Gln	Arg	Thr	Asp	Arg
65					70					75					80
Ile	Leu	Ala	Val	Ser	Ala	Leu	Xaa	Lys	Glu	Gln	Phe	Phe	Met	Ala	Ile
				85					90					95	

Arg Ile

&lt;210&gt; 7742

&lt;211&gt; 83

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7742

Gly	Trp	Trp	Leu	His	Ser	Arg	Arg	Pro	Leu	Thr	Ala	Ser	Pro	Thr	Arg
1				5					10					15	
Ser	Arg	Pro	Leu	Ala	Arg	Pro	Ser	Arg	Phe	Pro	His	Arg	Leu	Cys	Ser
			20					25					30		
Pro	Pro	Pro	Gln	Thr	Pro	Ser	Pro	Leu	Asp	Ser	His	Ser	Leu	Phe	His
		35					40					45			
Gly	Ala	Pro	Arg	Phe	Arg	Glu	Pro	Pro	Arg	Gly	Thr	Trp	Ser	Pro	His
	50					55					60				
Pro	Val	Thr	Thr	Ser	Cys	Leu	Arg	Gly	His	Leu	Ser	Pro	Ser	His	Leu
65					70					75					80

Ala Pro Gln

6886

&lt;210&gt; 7743

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7743

Gly Arg Val Gly Trp Thr Leu Ser Leu Leu Cys Leu Ser Ala Leu Asn  
1 5 10 15

Lys Asp Ser Pro Ala Leu Lys  
20

&lt;210&gt; 7744

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7744

Xaa Lys Pro Gly Gly Ser Asp His His Phe Xaa Asn Asn Ser Arg Leu  
1 5 10 15

Pro Pro Gln Pro Gln Gly Phe Gly Glu Met Trp Val Cys Trp Ser Leu  
20 25 30



6887

Cys Arg Leu Xaa Pro Pro Xaa Leu Asp Leu Ala Xaa Pro Gln Ser  
                   35                  40                  45

&lt;210&gt; 7745

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7745

Tyr Xaa His Cys Phe Lys Ile Val Ile Phe Xaa Thr Gly Glu Lys Xaa  
   1                  5                  10                  15

&lt;210&gt; 7746

&lt;211&gt; 97

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7746

Cys Gln Leu Leu Thr Val Ile Val Arg Lys Gly Thr Asp Thr Ile Phe  
   1                  5                  10                  15

Ala Leu Ile Gly Leu Ile Asp Ser Gly Asp Ala Thr Gly Arg Ala Trp  
                   20                  25                  30

Arg Gly Glu Asp Gly Met Cys Phe Leu Pro Thr Ile Ser Ile Arg Thr  
                   35                  40                  45

Pro Ile Arg Phe Cys Val Gln Leu Thr Phe Leu Asn Leu Ser Lys Tyr

6888

50 55 60  
Tyr Ala Met Glu Ala Lys Ala Pro Leu Pro Lys Gln Ile Ile Ser Phe  
65 70 75 80  
His Leu Cys Arg Asn Ser Gly Leu Leu Pro Phe Ile Val Lys Phe Gly  
85 90 95  
Arg

<210> 7747  
<211> 19  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7747  
Met Xaa Arg Thr Val Arg Ser Ser Val Ala Glu Gly Gly Gly Xaa Ser  
1 5 10 15

Xaa Pro Phe

<210> 7748  
<211> 48  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

6889

<220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (26)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (40)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7748  
 Gln Xaa Ile Phe Xaa Pro Ser Gly Leu Thr Ser Xaa Val Ser Val Cys  
           1                  5                  10                  15

Gly Arg Arg Val Pro Leu Thr Ile Tyr Xaa Ala Leu Asp Cys Ser Arg  
                   20                  25                  30

Arg Leu Leu Xaa Ile Val Asp Xaa Glu Glu Arg Gln Lys Glu Xaa Val  
           35                  40                  45

<210> 7749  
 <211> 59  
 <212> PRT  
 <213> Homo sapiens

6890

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7749

Cys Leu Leu Phe Arg Ser His Phe Asn Glu Arg Ser Phe Val Phe Xaa  
1 5 10 15

Ile Pro Phe Pro Arg Asn Phe Ser Thr Tyr Lys Asn Asn His Phe Lys  
20 25 30

Leu Gln Lys Pro Arg Thr Tyr Lys Pro Thr Pro Gln Thr Thr Phe Leu  
35 40 45

Ile Met Thr Ala Phe Arg Asn Val Gly Lys Leu  
50 55

&lt;210&gt; 7750

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7750

Leu Ser Ser Met Glu Glu Gln Leu Lys Thr Ile Xaa Trp Leu Leu Leu  
1 5 10 15

Pro Xaa Gln

&lt;210&gt; 7751

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

## 6891

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7751

Asp	Asp	Ala	Trp	Asp	Phe	Leu	Xaa	Pro	Gln	Xaa	Ser	Lys	Asp	Phe	Xaa
1				5				10						15	

Leu Leu

&lt;210&gt; 7752

&lt;211&gt; 30

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6892

&lt;400&gt; 7752

Xaa Xaa Xaa Lys Gln Lys Gly Gly Phe Leu Phe Arg Ile Ile Ile Phe  
1 5 10 15

Xaa Leu Arg Ser Gly Asn Gly Xaa Glu His Ser Met Phe Val  
20 25 30

&lt;210&gt; 7753

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7753

Ala Ala Xaa Gln Val Gln Thr Asp Arg Lys Met Thr Met Thr Xaa Arg  
1 5 10 15

Xaa Gln Xaa Cys Xaa  
20

&lt;210&gt; 7754

&lt;211&gt; 69

6893

<212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (56)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (58)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (64)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (68)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7754  
 Pro Ile Ile Cys Leu Gly Phe Phe Ser Pro Val Pro Asp Ser Thr Ser  
           1                  5                  10                  15  
 Ser Ala Thr Asn Val Ser Met Val Val Ser Ala Gly Pro Trp Ser Ser  
                   20                  25                  30  
 Glu Lys Ala Glu Met Asn Ile Leu Glu Ile Asn Glu Lys Leu Arg Pro  
           35                  40                  45  
 Gln Leu Ala Glu Asn Lys Gln Xaa Phe Xaa Asn Leu Lys Glu Arg Xaa  
           50                  55                  60  
 Phe Leu Thr Xaa Leu  
           65

<210> 7755  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids

6894

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7755

Ser	Gly	Leu	Ile	Ser	Xaa	Thr	Lys	Leu	Arg	Xaa	Asp	Thr	Met	Ser	Leu
1				5				10						15	

Xaa

&lt;210&gt; 7756

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7756

His	His	Leu	Pro	Pro	Phe	Asp	Phe	Leu	Met	Leu	Tyr	Asn	Phe	Arg	Leu
1				5				10						15	

Lys	Gly	Gly	Asp	Xaa	Val	Met	Xaa	Ser	Pro	Pro	Asn	Xaa	Ala	Ser	Gly
			20					25						30	



6895

Arg Ser Xaa  
35

<210> 7757  
<211> 65  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (57)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (62)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (64)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7757  
Leu Ser Tyr Val Val Glu Thr Lys Lys Phe Thr Phe Ser Cys Asp His  
1 5 10 15

Ser Arg Pro His Xaa Ile Arg Val Asn Leu Leu Ser Arg Leu Thr Lys  
20 25 30

His Tyr Xaa Leu Met Lys Ile Leu His Glu Asp Tyr Lys Ser Ile Phe  
35 40 45

Cys Ser Tyr Ser Ala His Leu Leu Xaa Glu Asn Leu Phe Xaa Ser Xaa  
50 55 60

Ile  
65

6896

&lt;210&gt; 7758

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7758

Cys Gln Ser Trp Leu Pro Asp Gln Gly Val Ala Val Gly Met Cys Arg  
1 5 10 15

Gly Ser His Thr Cys Lys Lys His Leu Gly Ser Phe Leu Thr Trp Leu  
20 25 30

Gly Cys Ser Gly Gln Val Met Ser Pro Leu Ala Leu Gly Ser Leu Cys  
35 40 45

&lt;210&gt; 7759

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7759

Tyr Glu Ala Gln Arg Ile Gly Pro Gly Asn Cys Leu Thr Lys Thr Gln  
1 5 10 15

Gly Cys Ala Asn Ser Arg Asp Asp Val Tyr Ser Leu Thr Pro Ala Arg  
20 25 30

Cys Arg Lys Val Xaa Arg Arg Val Gln Thr Ser Val Xaa Gly Leu Asn  
35 40 45

6897

<210> 7760  
<211> 22  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7760  
Val Xaa Ile Ala Ser Gly Arg Ser Arg Gly Ser Xaa Leu Thr Tyr Xaa  
1 5 10 15

Val His Ala Thr Xaa Ile  
20

<210> 7761  
<211> 25  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7761

## 6898

Ser Ile Phe Lys Leu Met Cys Phe Lys Ile Tyr Phe Lys Val Leu Gln  
1 5 10 15

Pro Xaa His Xaa His Ala Leu Thr Arg  
20 25

<210> 7762

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7762

Arg Asn Lys Cys Phe Leu Ile Gln Thr Ala Ser Gln Xaa Glu His Leu  
1 5 10 15

Xaa Xaa Asp Xaa Ile Ile  
20

<210> 7763

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

6899

<220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (48)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (50)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7763  
 Asn Phe Pro Arg Ile Ser Thr Ile Ser Lys Met Lys Lys Val Leu Leu  
           1                  5                  10                  15  
 Leu Ile Thr Ala Ile Leu Ala Val Ala Val Gly Phe Pro Val Ser Gln  
                   20                  25                  30  
 Asp Gln Xaa Arg Glu Lys Arg Ser Ile Xaa Asp Ser Xaa Glu Leu Xaa  
           35                  40                  45  
 Ser Xaa Phe Phe Val Phe  
           50

<210> 7764  
 <211> 48  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids

## 6900

<220>  
 <221> SITE  
 <222> (10)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (30)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (35)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (38)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7764  
 Glu Pro Xaa Gly Pro Leu Xaa Ile Pro Xaa Xaa Tyr Gly Lys Leu Val  
     1                    5                    10                    15  
 Arg Leu Gln Val Pro Val Arg Asn Tyr Arg Val Asp Pro Xaa Val Arg  
                     20                    25                    30  
 Ala Asp Xaa Ala Leu Xaa Ser Ser Glu Ala Leu Gly Ala Leu Ser Phe  
           35                    40                    45

<210> 7765  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7765

## 6901

Arg Ser Ser Ser Ile Tyr Thr Leu Lys Arg Val Pro Ser Leu Val Gln  
1 5 10 15  
Leu Phe Ile His Pro Phe Phe Phe Tyr Trp Phe Ser Ser Gly Gly Lys  
20 25 30  
Trp Xaa Phe  
35

<210> 7766

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6902

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7766

Xaa	Pro	Xaa	Ala	Val	Tyr	Xaa	Xaa	Ser	Gly	Ser	Ser	Xaa	His	Xaa	Leu
1				5					10					15	

Phe	Xaa	Thr	Thr	Asp	Tyr	Val	Thr	Val	Thr	Glu	Asp	Lys	Met	Asp	Leu
			20					25					30		

Xaa	Ile	Ile	Ser	His	Xaa	Val	Asn	Val	Xaa	Pro	Phe
		35					40				

&lt;210&gt; 7767

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7767

Lys	Asn	Asp	His	Glu	Ala	Lys	Thr	Thr	Ile	Phe	Phe	Cys	Leu	Xaa	Ile
1					5				10					15	

Gly	Lys	Glu	Phe	Xaa	Gly	Pro	Ser	Cys	His	His	Asn	Ala	Met	Lys	Gln
		20						25					30		

Lys	Ile	Ser	Lys	Trp	Ile	Ala	Ile	Asn	Gln	Phe	Leu	Lys	Ile	Arg	Gln
		35					40						45		



6903

Lys Lys Thr Leu Ser Leu  
50

&lt;210&gt; 7768

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7768

Val	Asp	Ala	Leu	Val	Xaa	Pro	Gln	Asp	His	Ala	Val	Xaa	Glu	Xaa	Ala
1				5					10					15	

Leu Arg Ala

&lt;210&gt; 7769

&lt;211&gt; 69

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7769

## 6904

Asp Leu Ala Leu Arg Leu Leu Ser Thr Pro Pro Val Leu Pro Glu Lys  
 1 5 10 15

Gly Gln Met Phe Pro Glu Gln Lys Thr Ser Pro Leu Leu Cys Leu Thr  
 20 25 30

Trp Ser Pro Ile His Ala Leu Phe Leu Xaa Ser Val Tyr Ser Leu Ser  
 35 40 45

Leu Gly Leu Glu Glu Pro Xaa Met Trp Pro Leu Ala Lys Leu Asp Asn  
 50 55 60

Val Gln Thr His Ser  
 65

<210> 7770

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7770

Met Leu Val Thr Leu Ile His Cys Ile Met Val Ile Phe His Leu Ile  
 1 5 10 15

## 6905

Tyr Leu Glu Xaa Val Val Xaa Arg Ile Gly Val His Xaa His Gly Thr  
                   20                  25                  30

Cys Ile Glu Xaa Xaa  
                   35

<210> 7771  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7771  
 His His Arg Ile Xaa Glu Leu Phe Lys Met Lys Phe Asn Pro Phe Xaa  
       1                  5                  10                  15

Thr Phe Arg Pro Glu Ala Arg Xaa  
                   20

<210> 7772  
 <211> 58  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

## 6906

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (49)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7772  
Leu Phe Val Xaa Xaa Gly Trp Val Ser Pro Arg Arg Leu Xaa Trp Gly  
1 5 10 15  
Gly Ala Ala Cys Phe Trp Ala Xaa Xaa Gly Ala Pro Ser Pro Gly Ser  
20 25 30  
Lys Pro Ser Phe Xaa Lys Xaa Pro Gly Arg Asp Leu Leu Gln Arg Ala  
35 40 45  
Xaa Gly Lys Xaa Glu Arg Glu Lys Ala Pro  
50 55

6907

<210> 7773  
 <211> 65  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (10)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (33)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (46)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (64)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7773  
 Val Ser Asn Trp Xaa Leu Leu Thr Leu Xaa Val Pro Asp Cys Cys Ser  
     1                    5                    10                    15  
 Phe Thr Asp Leu Ile Gln Val Thr Arg Ser Phe Ile Gly Leu Asn Gln  
                     20                    25                    30  
 Xaa Pro Cys Ser Gln Val Thr Asp Leu Pro Ile Val Pro Xaa Ile Leu  
                     35                    40                    45  
 Phe Asn Leu Asn Glu Arg Glu Phe Ala Leu Asn Gly Lys Val Pro Xaa  
                     50                    55                    60  
 Phe  
     65

<210> 7774  
 <211> 57  
 <212> PRT

6908

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7774

Gln Cys Asn Leu Gln Phe Pro Xaa Lys Xaa Lys Lys Val Asn Leu Ala  
1 5 10 15

Ala Ile Glu Tyr Thr Met Cys Ile Tyr Asn Ser Tyr Phe Ile Tyr Xaa  
20 25 30

Ser Ile Asn Ile Phe Lys Leu Asn Val Leu His Ser Gln Val Val Gly  
35 40 45

Ser Leu Val Ile Lys Val Cys Val Ile  
50 55

&lt;210&gt; 7775

&lt;211&gt; 135

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7775

Val Met Ile Thr Glu Thr Ala Ala Glu Pro Thr Val Pro Ala Val Pro  
1 5 10 15

Ala Ala Glu Glu Ala Thr Glu Ala Arg Gly Arg Glu Glu Pro Ala Trp  
20 25 30

Pro Trp Lys Asp Ala Pro Ile Arg Thr Leu Val Gln Arg Ile His Gln  
35 40 45

Leu Gln Ala Glu Arg Ala Gln Gly Phe Arg Arg Leu Glu Glu Gly His  
50 55 60

Arg Gln Tyr Leu Arg Ser Gly Pro Asp Tyr Asp Phe Ala Arg Tyr Arg

## 6909

65		70		75		80
Ser Thr Val His Gly Val Thr Gln Ala Phe Ala Ala Ala Ser Arg Glu						
	85		90		95	
Val Leu Ala Val Glu Ala Glu Leu Gly Gly Pro Arg Arg Gln Pro Leu						
	100		105		110	
Leu Ala Gly His Val Arg Ser Cys Arg Ile Trp Ser Arg Arg Gly Trp						
	115		120		125	
Ala Arg Trp Pro Cys Cys Ser						
	130		135			

&lt;210&gt; 7776

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7776

Leu Asp Phe Arg Arg Leu Ile Pro Gly Xaa Leu Ser Gly Gly Asp Arg
1                      5                      10                      15

Gly Gly Glu Xaa Xaa Pro Gly Ala Asp Pro Glu Cys
20                      25

&lt;210&gt; 7777

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

## 6910

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7777

Xaa Thr Arg Xaa Ser Leu Val Ser Phe Lys Lys Tyr His Pro Thr Lys

1

5

10

15

Xaa

&lt;210&gt; 7778

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7778

Tyr Arg Val Pro Asp Met Lys Ala Phe Ala Leu Leu Ile Arg Xaa Gly

1

5

10

15

Xaa Xaa Ser Arg Thr Gly Ile His Leu Arg Val

20

25



## 6911

&lt;210&gt; 7779

&lt;211&gt; 53

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7779

Gly Arg Val Gly Pro Cys Arg Asp Lys Ala Ala Gly Pro Glu Leu Asp  
1 5 10 15

Ser Val Ser Ser Trp Gly Arg Thr Gly Thr Gln Gly Val Met Pro His  
20 25 30

Pro Pro Ser Arg Ala Gly Ala Ser Thr Ser Gln Phe Val Gln Ile His  
35 40 45

Pro Pro Phe Lys Lys  
50

&lt;210&gt; 7780

&lt;211&gt; 69

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7780

Glu Arg Leu Glu Ser Asn Gly Trp Lys Gly Gly Phe Ser Val Met Asp  
1 5 10 15

Thr Phe Phe Phe Ser Glu Ala Asn Pro Arg His Cys Glu Arg Asn Gly  
20 25 30

Phe Ser Tyr Glu Asp Phe Lys Phe Ser Gln Leu Phe Ser Gln Val Leu  
35 40 45

Gly Met Ser Phe Ala Leu Thr Leu Asn Cys Gln Ile Asp Lys Thr Ser  
50 55 60

Gln Thr Ile Gly Leu  
65

&lt;210&gt; 7781

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

6912

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7781

Pro	Xaa	Arg	Pro	Asp	Gly	Asp	Gly	Gly	Gly	Asp	His	Xaa	Xaa	Ala	Glu
1				5				10						15	

Pro Leu Gln

&lt;210&gt; 7782

&lt;211&gt; 71

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (58)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6913

&lt;400&gt; 7782

Pro Trp Ala Ser Pro Leu Pro Pro His Pro Leu Thr Pro Gly Lys Pro  
1 5 10 15

Thr Ala Pro Pro Val Pro Gln Leu Thr Asp Pro Arg Gln Ala His Cys  
20 25 30

Pro Xaa Ile Pro Ser Pro Arg Val Ser Pro Leu Pro Leu Pro Pro Xaa  
35 40 45

Thr Asp Pro Gly Gln Ala Glu Tyr Ser Xaa Trp Thr Xaa Gly Lys Asp  
50 55 60

Xaa Gly Thr Thr Trp Thr Pro  
65 70

&lt;210&gt; 7783

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

6914

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7783

Ala	Xaa	Thr	His	Xaa	Cys	Thr	Gly	Pro	Ala	Phe	Pro	Gly	Arg	Pro	Thr
1				5					10					15	

Arg	Pro	Gln	Pro	Pro	Phe	His	Pro	Pro	Asn	Ile	Ala	Leu	Arg	Leu	Arg
		20						25					30		

Xaa	Thr	Xaa	Xaa	Xaa	Asn	Gln	Thr	Phe	Val	Gln	Gly	Val	Asn	Thr	Asp
		35					40						45		

Ser	Cys	Leu	Leu	Tyr	Cys
		50			

&lt;210&gt; 7784

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7784

Asp	Leu	Tyr	Pro	Trp	Pro	Phe	Phe	Phe	Phe	Phe	Phe	Pro	Gly	Xaa	Leu
1				5					10					15	

Xaa	His	Cys	Ser	Phe	Xaa	Leu	Tyr	Phe	Leu	Pro	Tyr	Xaa	Asn	Gln	Arg
			20					25					30		

6915

&lt;210&gt; 7785

&lt;211&gt; 75

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7785

Gly Pro Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp  
 1 5 10 15

Pro Arg Val Arg Lys Lys Gly Tyr Cys Ile Phe Lys Asn Arg Lys Leu  
 20 25 30

Asn Pro Ser Cys Glu Lys Pro Val Val Leu Cys Ala Trp Cys Cys Ala  
 35 40 45

Glu Pro Gly Ala Val Val Leu Cys Trp Asp Phe Leu Asp Ser Trp Ala  
 50 55 60

Gly His Ile Leu Gln Glu Leu Ser Arg Pro Val  
 65 70 75

&lt;210&gt; 7786

&lt;211&gt; 89

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7786

Gly Lys Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Val  
 1 5 10 15

Leu Cys Leu Glu Ala Asn Leu Gly Pro Ser Ser Val Glu Pro Phe Ser  
 20 25 30

Ala Val Tyr Pro Ser Lys Cys Leu Ala Phe Gln Ile Ile Val Ser Leu  
 35 40 45

Met Cys Val Arg Arg Gly Gly Ser Gly Trp Arg Arg Xaa Pro Asn Thr  
 50 55 60

Ser Leu Pro Cys Gln His Leu Pro Pro Arg Leu Gly Lys Asn Gln Asn

65                      70                      75                      80

```
<210> 7788
<211> 62
<212> PRT
```

6917

&lt;213&gt; Homo sapiens

&lt;400&gt; 7788

Lys Ile Phe Glu Lys Ile Pro Gly Ile Gln Arg Gln Pro Lys Ala Asn  
1 5 10 15

Leu Gly Ile Pro Ser Tyr Phe Thr Val Gln Lys Ile Ser Pro Ile Ser  
20 25 30

Lys Asp Asn Thr Gly Asn Asp Lys Ile Tyr Val Phe Glu Arg Ile Val  
35 40 45

Met Phe Leu Ala Ser Thr Leu Ile Lys Gly Arg Cys Ser Leu  
50 55 60

&lt;210&gt; 7789

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7789

His Trp Ser Leu Cys Cys Ala Ser Gly Thr Ala Gln Leu Xaa Gly Xaa  
1 5 10 15

Ala Gln Ala Thr Lys Xaa Arg Lys Gln Leu Arg Phe Xaa Pro Ile Met  
20 25 30

Asn Gln

6918

&lt;210&gt; 7790

&lt;211&gt; 139

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7790

Pro Ala Ala Leu Gly Gly Gly Val Val Ala Val Ala Val Cys Glu Pro  
1 5 10 15

Val Ala Arg Leu Leu Trp Ala Gly Thr Leu Lys Val Ser Asn Ser Arg  
20 25 30

Trp Leu Met Arg Ser Tyr Lys Arg Val Arg Phe Ala Gly Ala Arg Leu  
35 40 45

Arg Val Ser Val Leu Tyr Cys Phe Ser Arg Arg Pro Ser Ala Pro Arg  
50 55 60

Leu Pro His Val Gln Ala Glu Arg Arg Val Gly Arg Ser Arg Arg Arg  
65 70 75 80

Arg Ser Arg Gly Gly Ala Gly Gly Gly Glu Ala Ala Pro Ala Arg Asn  
85 90 95

Ala Gly Ser Trp Gly Ser Pro His Val Ala Gly Ala Gln Ala Val Pro  
100 105 110

Arg Leu Leu Arg Asp Gly Thr Val Ala Ala Leu Ile Pro Ile Ala Ser  
115 120 125

Phe Phe Phe Phe Phe Phe Thr Ser Thr Ala Phe  
130 135

&lt;210&gt; 7791

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE



## 6919

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7791

Ser	Ser	Leu	Gly	Ser	Arg	Gly	Ala	Glu	Arg	Ser	Ile	Asp	Asp	Ile	Gly
1				5					10					15	

His	Leu	Ile	His	Glu	Xaa	Leu	Gln	Asn	Leu	Leu	Ser	Leu	Gln	Pro	Xaa
			20					25					30		

Ser	Asn	Xaa	Ile	Val	Leu	Lys	Phe
		35				40	

&lt;210&gt; 7792

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7792

Gly	Lys	Thr	Gln	Xaa	Val	Ser	Asp	Ser	Leu	Ile	Phe	Ile	Xaa	Val	Xaa
1				5					10				15		

Xaa	Lys	Trp	Val	Phe	Leu
			20		

6920

<210> 7793  
<211> 69  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7793  
Lys Thr Ser Xaa Xaa Xaa Xaa Xaa Leu Ser Leu Lys Leu Val Arg Leu  
1 5 10 15  
Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Pro Arg  
20 25 30  
Val Arg Cys Ser Asn Arg His Ile Lys Glu Val Leu Trp Met Glu Ala  
35 40 45  
Gln Arg Lys Lys Arg Leu Ile Val Ser Lys Asn Leu Glu Gly Met Lys  
50 55 60  
Met Lys Ile Glu Ile  
65

## 6921

<210> 7794  
 <211> 61  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (55)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (56)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (59)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (60)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7794  
 Ser Ile Cys Leu Trp Ser Lys Gln Leu Ala Ser Phe Met Cys Gly Leu  
     1                    5                    10                    15  
 Leu Thr Lys Leu Pro Met Leu Val Ser Phe Leu His Tyr Asp Val Tyr  
                     20                    25                    30  
 Ser Leu Leu Lys Leu Leu Leu Ser Val Leu Leu Ser His Cys Ser  
             35                    40                    45  
 Ala Cys Ser Ser Ser Ala Xaa Xaa Ser Asp Xaa Xaa Pro  
     50                    55                    60

<210> 7795  
 <211> 62  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

6922

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7795

Gly Gly Gly Lys Lys Ala Leu Gly Val Lys Arg Xaa Leu Gly Xaa Arg  
1 5 10 15

Val Asn Pro Gly Gly Ser Pro Gly Xaa Asn Phe Ser Pro Arg Gly Gly  
20 25 30

Ser Gly Lys Pro Pro Asn Gly Arg Xaa Pro Xaa Trp Gly Ala Leu Thr  
35 40 45

Leu Thr Gly Asn Gly Gly Arg Lys Trp Lys Ser Phe Xaa Arg  
50 55 60

&lt;210&gt; 7796

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6923

<222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (27)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (28)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (30)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (32)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (46)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7796  
 Pro Xaa Xaa Arg Thr Ile Pro Ser Ile Pro Val Val Pro Glu Leu Pro  
     1                    5                    10                    15  
 Cys Pro Lys Ala Cys Ala Arg Phe Thr Pro Xaa Xaa Ala Xaa Leu Xaa  
                     20                    25                    30  
 Pro Glu Asn Ser Glu Asp Met Asn Ser Arg Gln Ala Trp Xaa Leu Leu  
             35                    40                    45  
 Leu Ser Gln Gly Arg Gly  
     50

<210> 7797  
 <211> 51  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1)

## 6924

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7797

Xaa	Phe	Pro	Gly	Arg	Pro	Ile	Xaa	Leu	Pro	Pro	Leu	Ser	Cys	Pro	Glu
1				5				10						15	

Glu	Ala	Thr	Pro	Cys	Leu	Xaa	Arg	Gly	Pro	Gly	Asn	Xaa	Cys	Gly	Pro
			20					25					30		

Glu	Glu	Trp	Arg	Gly	Cys	Gly	Met	Asn	Thr	Met	Thr	Ala	Xaa	Ile	Arg
		35					40						45		

Leu	Xaa	Pro
		50

<210> 7798

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6925

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (53)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (66)  
<223> Xaa equals any of the naturally occurring L-amino acids

6926

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (85)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (88)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7798

Leu Ala Pro Trp Asp Xaa Trp Val Gly Gln Val Ile Leu Leu Xaa Ser  
1 5 10 15

Gly Ser Arg Xaa Xaa Xaa Gly Asp Xaa Asp Asp Arg Asp Lys Ile Thr  
20 25 30

Xaa Glu Lys Ile Gln Glu Leu Xaa Gly Glu Gly Xaa Gly Leu Thr Lys  
35 40 45

Leu Ser Leu Pro Xaa Lys Gly Glu Leu Glu Ala Thr Asp Val Gly Thr  
50 55 60

Ala Xaa Cys Phe Pro Asp Asp Glu Thr Gly Ala Val Met Leu Arg Ala  
65 70 75 80

Pro Ser Ser Gly Xaa Cys Thr Xaa  
85

&lt;210&gt; 7799

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



6927

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7799  
Ala Ile Ser Arg Ile Ala Ser Gly Arg Pro Xaa Gly Xaa Xaa Phe Xaa  
1 5 10 15  
Gly Xaa

<210> 7800  
<211> 53  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

6928

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7800

Lys	Phe	Thr	Lys	Cys	Leu	Val	Gln	Leu	Asn	Ile	Leu	Leu	Xaa	Lys	Xaa
1				5				10						15	

Cys	Val	Ala	Lys	Ile	Phe	Tyr	Xaa	His	Tyr	Leu	Asn	Asn	Leu	Xaa	Gly
			20					25					30		

Lys	Asn	Val	Trp	Ser	Ser	Xaa	Xaa	Pro	Leu	Leu	Phe	Leu	Ser	Ser	Tyr
		35					40						45		

Phe	Gln	Xaa	Val	Lys
				50

&lt;210&gt; 7801

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

## 6929

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7801

Trp	Ile	Glu	Leu	Ser	Gly	Trp	Xaa	Xaa	Ala	Xaa	His	Gly	Xaa	Xaa
1				5					10					15

<210> 7802

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7802

Gly	Lys	Pro	Pro	Ile	Phe	Gly	Leu	Lys	Xaa	Pro	His	Phe	Thr	Leu	Ile
1				5					10					15	

Ser	Val	Val	Lys	Xaa	Pro	Gly	Ala	His	Arg	His	Xaa	Xaa	Arg
			20					25					30

<210> 7803

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

## 6930

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7803  
Xaa Trp Val Ser Xaa Ser Arg Xaa Arg Glu Glu Asp Gly Leu His Thr  
1 5 10 15  
Xaa Cys Pro Pro Ala Pro Ser Pro Ala Ser Leu Xaa Pro Xaa Xaa Xaa  
20 25 30  
Arg Trp Pro Lys Glu Cys Lys Tyr Leu Met Lys Tyr Val  
35 40 45

<210> 7804  
<211> 30  
<212> PRT

6931

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7804

Asn	Val	Asn	Lys	Trp	Arg	Glu	Lys	Gly	Leu	Xaa	Asp	Lys	Pro	Asp	Thr
1				5					10					15	

Trp	Xaa	Xaa	Gly	Ile	Thr	Pro	Gly	Gly	Thr	Arg	Gly	Lys	Met
			20					25					30

&lt;210&gt; 7805

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7805

Val	Ala	Ile	Ala	Cys	Val	Val	Gly	Val	Xaa	Xaa	Phe	Cys	Leu	Xaa	Lys
1				5					10					15	

6932

<210> 7806  
<211> 84  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (65)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (72)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

## 6933

&lt;222&gt; (77)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (82)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7806

Ala	Xaa	Ile	Ala	Pro	Pro	Arg	Gly	Ala	Pro	Pro	Leu	Ala	Xaa	Gly	Ala
1				5					10					15	

Arg	Val	Ser	Val	Thr	Leu	Cys	Thr	Pro	Leu	Thr	Val	Val	Arg	Xaa	Lys
			20					25					30		

Val	Pro	Pro	Gly	Arg	Pro	Xaa	Ala	Xaa	Ala	Xaa	His	Arg	Ala	Ser	Val
			35				40					45			

Leu	Gln	Cys	Asn	Asn	Trp	Thr	Arg	Pro	Cys	Arg	Ser	Ser	Arg	Phe	Leu
	50					55					60				

Xaa	Leu	Ala	Pro	Arg	Leu	Ser	Xaa	Phe	Ala	His	Lys	Xaa	Glu	Glu	Leu
65					70					75					80

Ala Xaa Gly Gly

&lt;210&gt; 7807

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6934

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7807

Gly	Gly	Xaa	Ser	Leu	Gly	Ser	Xaa	Xaa	Ser	Thr	Ala	Xaa	Gly	Pro	Gly
1				5					10					15	

Met Asp

&lt;210&gt; 7808

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7808

Trp	Thr	Cys	Phe	Leu	His	Ser	Ser	Thr	Val	Trp	Lys	Arg	Trp	Leu	Thr
1				5					10					15	

Ala	Ala	Trp	Leu	Ser	Glu	Phe	Gln	Arg	Asn	Gly	Leu	Leu	Leu	Asn	Ile
			20					25						30	

Gln	Val	Leu	Leu	His	Thr	Arg	Glu	His	Thr	Leu	Ser	Leu	Pro	Leu	Xaa
		35					40					45			

Val	Gly	Val	Ser
		50	

&lt;210&gt; 7809

&lt;211&gt; 64

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



6935

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7809

Ile	Leu	Met	Leu	Thr	Arg	Gly	Glu	Asn	Lys	Thr	Gln	Val	Phe	Ser	Ile
1				5					10					15	

Tyr	Ala	Ala	His	Pro	Lys	Leu	Pro	Gln	Met	Ile	Leu	Pro	Ser	Asp	Asn
			20					25					30		

Phe	Ile	Tyr	Lys	Leu	Gly	Lys	Ile	Trp	Cys	Gly	Pro	Phe	Arg	Pro	Xaa
		35					40					45			

Met	Pro	Xaa	Xaa	Thr	Pro	Ser	Cys	Ser	Asn	Asp	Gln	Asn	Met	Leu	Glu
	50					55					60				

&lt;210&gt; 7810

&lt;211&gt; 166

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (162)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (163)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7810

Gly	Ala	Gly	Leu	Arg	Ala	Trp	Gln	Arg	Leu	Asp	His	Gly	Val	Pro	Ala
1				5					10					15	

Pro	Gly	Leu	Ala	Arg	Val	Gln	Ser	Gln	Leu	Gln	Ala	Val	Asn	Thr	Val
			20					25					30		

Ser	Ala	Arg	Val	Leu	Leu	Gly	Ser	Ala	Ala	Pro	Arg	Pro	Pro	Pro	Ala
		35					40					45			

Ser	Leu	Leu	Gly	Ala	Ala	Pro	Cys	Trp	Gln	Pro	Ala	Pro	Pro	Ser	Pro
	50					55					60				

6936

Pro Ser Leu Gly Trp Leu Gly Leu Leu Ala Tyr Ser Thr Leu Leu Arg  
65 70 75 80

Ser Arg Ser Arg Ser Ala Ala Leu Asp Ala Arg Ser Leu Leu Phe Leu  
85 90 95

Lys Cys Leu Phe Val Pro Pro His Leu Phe Pro Val Ile Ile Tyr Ser  
100 105 110

Leu Gly Pro Arg Pro Pro Thr His Thr Phe Met Asn Pro His Phe Phe  
115 120 125

Phe Pro Ser Pro Phe Pro Ser Pro Pro Gln Gly Ala Ser Ser Phe Ser  
130 135 140

Gln Ser Ile Cys Pro Leu Ile Trp Pro Leu Leu Ser Leu Ser Pro His  
145 150 155 160

Gly Xaa Xaa Phe Thr Arg  
165

&lt;210&gt; 7811

&lt;211&gt; 42

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7811

Arg Gly Tyr Cys Glu Ala Thr Ala Lys Met Leu Ile Gln Lys Ile Arg  
1 5 10 15

Ser Asn Thr Tyr Ser Phe Ile Asp Tyr Met Arg Ile Ala Gln Gly Leu  
20 25 30

Val Lys Leu Trp Gln Thr Arg Asp Ile Glu  
35 40

&lt;210&gt; 7812

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7812

Glu Asp Leu Arg Lys Lys Thr Phe Arg Phe Pro Leu Lys Asn Arg Thr  
1 5 10 15

Gln Asn Trp Leu Val Asn Val Phe Arg Met Met Asn Lys Ser Leu Ile

6937

20

25

30

Asn Ser Val Thr Tyr Val Phe  
35

&lt;210&gt; 7813

&lt;211&gt; 77

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7813

Lys Leu Ala Ile Ser Glu Gly Glu Glu Gly Gly Gln Gly Glu Gly Ala  
1 5 10 15

Gly Met Ala Ala Gly Ser Gln Ala Val Ser Gly Ala Gly Ala Gln Glu  
20 25 30

Ala His Arg Arg Ala Ser Trp Lys Glu Trp Thr Val Ser Glu Ala Arg  
35 40 45

Gly Lys Arg His Leu Leu Glu Leu Val Thr Pro Ala Trp Cys Pro Pro  
50 55 60

Lys Pro Glu Tyr Glu Ala Xaa Arg Met Gln Val Ser Ser  
65 70 75

&lt;210&gt; 7814

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

6938

<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

## 6939

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7814

Asn	Xaa	Tyr	Gly	Trp	Lys	Phe	Lys	Leu	Arg	Ala	Xaa	Cys	Cys	Tyr	Leu
1				5					10					15	

Gln	Arg	Glu	Thr	Xaa	Val	Met	Arg	Met	Xaa	Lys	Ile	Xaa	Xaa	Leu	Arg
		20						25						30	

Ile	Xaa	Xaa	Ile	Glu	Xaa	Xaa	Xaa	Tyr	Xaa	Met	Ile	Xaa	Gln	Lys	Lys
		35					40						45		

Gly	Gln	Xaa	Cys	Asn	Gln	Arg	Gly	Arg	Glu
	50					55			

&lt;210&gt; 7815

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7815

Ile	Glu	Lys	Thr	Cys	Leu	Tyr	Leu	Met	Ile	Pro	Val	Leu	Met	Phe	Cys
1				5					10					15	

Val	Ile	Gly	Glu	Val	Gln	Lys	Leu	Arg	Asn	Ile	Val	Asp	Ser	Ile	Glu
		20						25					30		

Asn	Ser	Ile	Leu	Glu	Glu
		35			

&lt;210&gt; 7816

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

6940

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7816

Asp	Tyr	Xaa	Arg	Glu	Ser	Trp	Tyr	Ala	Cys	Arg	Tyr	Arg	Ser	Gly	Ile
1				5					10					15	

Pro	Xaa	Ser	Thr	His	Ser	Xaa	Gly	Lys	Lys	Pro	Leu	Gly	Pro	Gly	Ile
			20					25					30		

Xaa	Xaa	Ile	Thr	Phe	Val	Arg	Lys	Cys	Cys	Ala	Phe
		35					40				

&lt;210&gt; 7817

&lt;211&gt; 78

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7817

Ala	Arg	Ala	Arg	Ala	Gly	Ala	Ile	Ala	Val	Thr	Glu	Gly	Ser	Ser	Leu
1				5					10					15	

Arg	Pro	Arg	Leu	Gln	Leu	Lys	Ser	Leu	Asp	Lys	His	Leu	Thr	Pro	Ala
			20					25					30		

Ser	Gly	Met	Lys	Gly	Gly	Asn	Leu	Asp	Leu	Asn	Gly	Leu	Asp	His	Leu
		35				40						45			

Thr	Thr	Ala	Arg	Val	Thr	Thr	Ala	Phe	Val	Ala	Gly	Lys	Lys	Ile	Ala
		50				55					60				

Val	Ser	Thr	Gln	Glu	Ser	Ser	Asn	Phe	Thr	Val	Phe	Val	Phe
65					70					75			

6941

&lt;210&gt; 7818

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7818

Gly Thr Ser Pro Val Asp Glu His Val Asp Ile Asn Gly Leu Ala Trp  
 1 5 10 15

Pro Lys Leu Pro Ala Gln His Ala Leu Ala Ser Ala Gly Tyr Ser Glu  
 20 25 30

Asn Ile Leu Phe Lys Thr Leu Tyr Arg Thr Asn Arg Pro Arg Gly Ser  
 35 40 45

Phe Val His Ser Trp Pro Leu Lys Leu Ser Arg Leu Ser Lys Gly  
 50 55 60

&lt;210&gt; 7819

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7819

Cys Phe Thr Val Arg Tyr Lys Ile Lys Met Lys Leu Cys His Ala Asp  
 1 5 10 15

Asn Val Tyr Gln Val Ile Leu Glu Ile Ser  
 20 25

&lt;210&gt; 7820

&lt;211&gt; 64

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7820

Asn Leu Tyr Gln Cys Val His Gln Leu Ser Asn His Arg Val Leu Ser  
 1 5 10 15

Thr Ala Lys Lys Ser Leu Glu Lys Glu Glu Glu Leu Cys Leu Phe Thr  
 20 25 30

Pro Leu Leu Cys Thr Ser Lys Ile Gln Trp Trp Glu Lys Ile Cys Ser  
 35 40 45

6942

Ser Phe Ser Gln Arg Tyr Ser Leu Gly Asn Ala Leu Lys Arg Thr Lys  
 50 55 60

<210> 7821  
 <211> 51  
 <212> PRT  
 <213> Homo sapiens

<400> 7821  
 Ser Pro Leu Phe Leu Pro Thr Leu Lys Lys Met Ser Ser Tyr Phe Phe  
 1 5 10 15

Trp Glu Arg Gly Gly Leu Ile Arg Lys Lys Cys Ser Val Phe His Leu  
 20 25 30

Lys Phe Trp His Met Ala Phe Ser Asn Leu Gly Ser His Asn Val Leu  
 35 40 45

Gly Pro Ser  
 50

<210> 7822  
 <211> 123  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (120)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (122)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7822  
 Phe Gly Val Thr Tyr Leu Glu Asp Tyr Ser Ala Glu Tyr Ile Ile Gln  
 1 5 10 15

Gln Gly Gly Trp Gly Thr Val Phe Ser Leu Glu Ser Glu Glu Glu  
 20 25 30



## 6943

Tyr Pro Gly Ile Thr Ala Glu Asp Ser Asn Asp Ile Tyr Ile Leu Pro  
           35                          40                          45  
 Ser Asp Asn Ser Gly Gln Val Ser Pro Pro Glu Ser Pro Thr Val Thr  
           50                          55                          60  
 Thr Ser Trp Gln Ser Glu Ser Leu Pro Val Ser Leu Ser Ala Ser Gln  
           65                          70                          75                          80  
 Ser Trp His Thr Glu Ser Leu Pro Val Ser Leu Gly Pro Glu Ser Trp  
                           85                          90                          95  
 Gln Gln Ile Ala Met Asp Pro Glu Glu Val Lys Ser Leu Asp Ser Asn  
                           100                          105                          110  
 Gly Ala Gly Glu Lys Ser Glu Xaa Asn Xaa Ser  
           115                          120

&lt;210&gt; 7823

&lt;211&gt; 81

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7823

Pro Xaa Pro Pro Pro Xaa Val Pro Thr Arg Ala His Pro Cys His Leu  
           1                          5                          10                          15  
 Cys Pro Gln Pro Pro Arg Leu Ser Ala Thr Ala Ser Phe Ser Thr Glu  
                           20                          25                          30  
 Asp Leu Gly Lys Gly Cys Cys Leu Cys Ser Phe Phe His Phe Cys Pro  
           35                          40                          45  
 Leu Leu Ala Leu Arg Val Asp Gly Val Val Leu Gln Tyr Trp Ile Val  
           50                          55                          60  
 Pro Ala Leu Arg Thr Lys Glu Lys Phe Lys Leu Ser Val Glu Lys Gly  
           65                          70                          75                          80

6944

Ile

&lt;210&gt; 7824

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7824

Thr Tyr Ala Tyr Ser Tyr Ile Thr Ile Ser Lys Ile Gly Gly Leu Arg  
1 5 10 15

Asp Ala Ile Val His Ser Leu Asn Val Leu Met Lys Pro Lys Lys Ser  
20 25 30

&lt;210&gt; 7825

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7825

Pro Leu Ser Tyr Phe Phe Leu Ser Val Ser Leu Ser Pro Ala Ser Glu  
1 5 10 15

Ser Pro Ile Ser Ser Val Ser Thr Cys Arg Ile Ile Ile Met Pro Cys  
20 25 30

Thr Ser Ser Leu Ile Thr Cys Thr Val Phe Phe Leu Ile Leu Tyr Gln  
35 40 45

Met His

50

&lt;210&gt; 7826

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7826

Thr Gln Val Ile Thr Pro Trp Ala Gly Pro Ala Pro Gln Gly Pro Ile  
1 5 10 15

## 6945

Pro Leu Leu Pro Ser Leu Ser Ser Pro Thr Ala Gln Ala Gly Ala Lys  
                   20                  25                  30

Pro Thr Gly Arg Thr Cys Asp His Arg Gln Gly Pro Arg Thr Pro Ala  
           35                  40                  45

Pro Gly Ile Leu Thr Ser Arg Lys Glu Thr  
       50                  55

<210> 7827

<211> 65

<212> PRT

<213> Homo sapiens

<400> 7827

Lys Trp Asn Glu Val Pro Gly Asp Leu Asn Ser His Gly Gly Lys Arg  
   1                  5                  10                  15

Lys Arg Thr Leu Cys Lys Glu Met Ala Ser Arg Val Pro Gly Glu Pro  
           20                  25                  30

Ile Pro Leu Gly Arg Arg Cys Ser Val Arg Trp Thr Trp Thr Trp Ile  
       35                  40                  45

Lys Trp Val Phe Asn Lys Tyr Leu Leu Ser Arg Trp Trp Arg Arg His  
       50                  55                  60

Asp  
   65

<210> 7828

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

## 6946

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7828

Trp	Val	Pro	Arg	Ala	Ala	Xaa	Ile	Arg	Gln	Xaa	Xaa	Leu	Gly	Ser	Ser
1				5					10					15	

Phe	Gly	Ser	Gly	Ala	Gly	Ser	Ser	Ser	Phe	Ser	Arg	Thr	Ser	Ser	Ser
			20					25						30	

Arg	Ala	Val	Val	Val	Lys	Lys	Ile	Glu	Thr	Arg	Asp	Gly	Lys	Leu	Val
		35					40					45			

Ser	Glu	Ser	Ser	Asp	Val	Leu	Pro	Lys
	50					55		

&lt;210&gt; 7829

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7829

Lys	Phe	Thr	Lys	Cys	Leu	Val	Gln	Leu	Asn	Ile	Leu	Leu	Phe	Lys	Cys
1				5				10						15	

Val	Leu	Leu	Asn	Phe	Leu	Leu	Ser	Leu	Leu	Asn	Asn	Leu	Cys	Gly	Lys
			20					25					30		

Met	Cys	Val	Ser	Thr	Phe	Pro	Ser	Phe	Xaa	Ile	Ser	Tyr	Phe	Gln	Glu
		35					40					45			

Ser	Asn	Val	Ala	Ile	Asn	Cys	Ile	Leu	Val
	50					55			

&lt;210&gt; 7830

&lt;211&gt; 118

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (58)

6947

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7830

Pro Arg Val Arg Pro Arg Val Arg Glu Asn Gln Asp Gln Ala Ser Phe

1

5

10

15

## 6948

Cys Pro Ser Ala Pro Arg Glu Val Ser Val Leu Pro Glu Leu Ala Leu  
                   20                                  25                                  30  
 Gly His Leu Arg Tyr Arg Leu Thr Gly Val Pro Pro Gln Ser Asn Ser  
                   35                                  40                                  45  
 Pro Pro Gly Thr Val Pro Gly Ala Gly Xaa Ala Arg Xaa Xaa Arg Gly  
                   50                                  55                                  60  
 Arg Ala Leu Gly Ala Arg Ser Glu Ser Pro Ser Gly Leu Xaa Pro Pro  
                   65                                  70                                  75                                  80  
 Xaa Xaa Arg Val Ser Glu Lys Thr Ile Arg Val Val Val Phe His Arg  
                                   85                                  90                                  95  
 Arg Pro Ala Arg Xaa Xaa Lys Pro Gly Xaa Gly Ala Pro Ser Arg Gly  
                   100                                  105                                  110  
 Lys Arg Gly Gly Ala Xaa  
                   115

&lt;210&gt; 7831

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7831

Glu Ser Arg Leu Arg Xaa Pro Asp Ser Arg Pro Xaa Ala Arg Pro His  
   1                                  5                                  10                                  15

Leu Xaa Pro

6949

<210> 7832  
<211> 51  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

## 6950

&lt;400&gt; 7832

Ser Leu Xaa Gly Thr Asn Leu Xaa Glu Tyr Leu Xaa Lys Glu Lys Leu  
1 5 10 15

Xaa Lys Glu Ala Ala Lys Xaa Leu Glu Gln Ser Lys Glu Ala Asp Ile  
20 25 30

Asp Ser Xaa Asp Xaa Ser Asp Ile Glu Glu Asp Ile Asp Xaa Pro Ser  
35 40 45

Ala His Xaa  
50

&lt;210&gt; 7833

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7833

Ile Leu Val Gln Tyr Asp Val Ile Gln Leu Cys Ile Glu Leu Asn Phe  
1 5 10 15

Gly Cys Ile Tyr Met Tyr Tyr Thr Cys His Ala Ser Ser Cys Phe Asn  
20 25 30

His Phe Ile Thr Ile Phe Val His Ile Leu Leu Glu Asn Ile Leu Asn  
35 40 45

Gly Asn Leu Asn Lys His Leu Ile Val Tyr Ile Lys Lys Xaa Xaa  
50 55 60

&lt;210&gt; 7834

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;



## 6951

<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7834  
Xaa Lys Met Xaa Glu Gln Glu Xaa Val Ala Gln Leu Tyr Met Thr Leu  
1 5 10 15  
  
Lys Xaa Xaa Glu  
20

<210> 7835  
<211> 64  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (59)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7835  
Ile Pro Pro Cys Ser Val Tyr Leu Gln Asp Cys Ile Gly Asn Leu Ser  
1 5 10 15

6952

Ser Ser Ser Pro Ser Pro His Tyr Leu Leu His Thr Val Leu Thr Asp  
                   20                  25                  30

Ser Val Leu Ile Leu Ile Thr Arg Thr Ile Asn Ser Ser Xaa Gly Ile  
                   35                  40                  45

Ser Gly Val Tyr Ser Arg Leu Ser Leu Ile Xaa Val Pro Lys Phe Phe  
                   50                  55                  60

&lt;210&gt; 7836

&lt;211&gt; 49

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7836

Glu Glu Ile Asn Ile Leu Phe Gln Glu Glu Leu Ile Ser Leu Ala Lys  
   1                  5                  10                  15

Tyr Leu Pro Phe Ile Met Xaa Ser Lys Ser Ala Ile Xaa Phe Ser Phe  
                   20                  25                  30

Asn Phe Xaa Lys Leu Xaa Asn Tyr Phe Lys Asn Ser Cys Arg Trp Trp  
                   35                  40                  45

Lys

6953

<210> 7837  
 <211> 55  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (51)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (55)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7837  
 Gly Arg Trp Xaa Ser Gly Asp Lys Phe Trp His Ile Leu Ser Thr Leu  
     1                    5                    10                    15  
 Trp Val Asp Arg Gly Gly Arg Met Glu His Pro Trp Arg Gly Tyr Val  
                     20                    25                    30  
 Gly Asp Ser Ile Phe Pro Pro Ala Xaa Xaa Asn Lys Xaa Leu Ile Trp  
                     35                    40                    45  
 Gly Lys Xaa Trp His Thr Xaa  
                     50                    55

6954

&lt;210&gt; 7838

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7838

Arg	Lys	Leu	His	Glu	Leu	Ile	Val	Leu	Tyr	Gly	Lys	Ile	Xaa	Leu	Glu
1					5					10				15	

Arg	Tyr	Phe	Xaa	Lys	Xaa	Phe	Phe	Pro	Ser	Xaa	Asn	Phe	Met	Lys	Leu
			20					25					30		

Xaa

&lt;210&gt; 7839

&lt;211&gt; 85

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

## 6955

&lt;221&gt; SITE

&lt;222&gt; (79)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7839

Arg	Thr	Tyr	Phe	Pro	Val	Lys	Met	Pro	Thr	Thr	Lys	Lys	Thr	Leu	Met
1				5					10					15	

Phe	Leu	Ser	Ser	Phe	Phe	Thr	Ser	Leu	Gly	Ser	Phe	Ile	Val	Ile	Cys
			20					25					30		

Ser	Ile	Leu	Gly	Thr	Gln	Ala	Trp	Ile	Thr	Ser	Thr	Ile	Ala	Val	Arg
		35					40					45			

Asp	Ser	Ala	Ser	Asn	Gly	Ser	Ile	Phe	Ile	Thr	Tyr	Gly	Leu	Phe	Arg
	50					55					60				

Gly	Glu	Ser	Ser	Glu	Glu	Leu	Ser	His	Gly	Leu	Ala	Glu	Pro	Xaa	Lys
65						70				75					80

Lys	Phe	Cys	Ser	Phe
				85

&lt;210&gt; 7840

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7840

Leu	Thr	Ile	Arg	Asn	Glu	Tyr	Ser	Asn	Phe	Pro	Phe	Ser	Arg	Xaa	Pro
1				5					10					15	

Thr	Met	Ala	Gly	Gly	Leu	Phe	Ala	Met	Asn	Arg	Gln	Tyr	Phe	His	Gly
			20					25					30		

Thr	Trp	Thr	Val
			35

&lt;210&gt; 7841

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

6956

<220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (29)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (51)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7841  
 Gln Xaa His Ile Ser Pro Xaa Ala Ser Cys Glu Val Xaa Ala Pro Gln  
 1 5 10 15  
 Pro Ser Pro Ala Gly Arg Pro Arg Gly His Trp Arg Xaa Pro Asp Leu  
 20 25 30  
 Gly Pro Val Xaa Leu Pro Ala Phe Xaa Glu Xaa Gly Gly Arg Arg Ala  
 35 40 45

6957

Ala Pro Xaa Val  
50

&lt;210&gt; 7842

&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7842

Arg Pro Thr Arg Pro Pro Thr Arg Pro Val Xaa Ser Ile Pro Xaa Leu  
1 5 10 15

Trp Ala Ala Xaa Val Ser Pro Pro Lys  
20 25

&lt;210&gt; 7843

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6958

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7843

Xaa	Leu	Asn	Tyr	Gln	Xaa	Ile	Thr	Gly	Val	Ile	Leu	Xaa	Tyr	Asp	Arg
1				5				10					15		

Xaa	Thr	Tyr	Leu	Thr	Asn	Lys	Gln	Thr	Val	Xaa	Phe	Ser	Met	Gly	Gln
			20				25						30		

Gly	Leu	Pro	Tyr	Asn	Xaa	Ser
						35

&lt;210&gt; 7844

&lt;211&gt; 82

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7844

Gly	Pro	Cys	Pro	Ala	Val	Leu	Thr	Glu	Ala	Cys	Phe	Pro	Leu	Pro	Leu
1				5				10					15		

Leu	Leu	Cys	Trp	Asn	Ser	Thr	Gly	Thr	Arg	Ala	Thr	Ala	Gly	Thr	Val
			20				25						30		

Ser	Glu	Asp	Leu	Ile	Phe	Pro	Ser	Leu	Phe	Leu	His	Thr	Pro	Leu	Thr
			35				40					45			

Asn	Val	Pro	Ser	Gly	Phe	His	Leu	Trp	Gly	Phe	Lys	Cys	Phe	Gln	Ala
			50			55					60				

Gln	Pro	Thr	Thr	Thr	Ser	Lys	Cys	Ile	Ser	Val	Val	Val	Leu	Phe	Cys
65						70				75					80



6959

Leu Cys

&lt;210&gt; 7845

&lt;211&gt; 146

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (124)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (127)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7845

Leu	Ala	Glu	Ile	Gly	Ala	Val	Thr	Leu	Val	Ser	Ala	Pro	Arg	Pro	Asp
1				5				10						15	

Ser	Arg	His	His	Ser	Leu	Ala	Leu	Thr	Ser	Phe	Lys	Arg	Gln	Gln	Glu
			20					25					30		

Glu	Ser	Phe	Gln	Glu	Gln	Ser	Ala	Leu	Ala	Ala	Glu	Ala	Arg	Glu	Thr
		35					40					45			

Arg	Arg	Gln	Glu	Leu	Leu	Glu	Lys	Ile	Thr	Glu	Gly	Gln	Ala	Ala	Lys
		50				55					60				

Lys	Gln	Lys	Leu	Glu	Gln	Ala	Ser	Gly	Ala	Ser	Ser	Ser	Gln	Glu	Ala
65					70					75				80	

Gly	Ser	Ser	Gln	Ala	Ala	Lys	Glu	Asp	Glu	Thr	Ser	Asp	Gly	Gln	Ala
				85					90					95	

Ser	Gly	Glu	Gln	Glu	Glu	Ala	Gly	Pro	Ser	Ser	Ser	Gln	Ala	Gly	Pro
				100				105					110		

Ser	Asn	Gly	Val	Ala	Pro	Leu	Pro	Asp	Leu	Leu	Xaa	Leu	Ser	Xaa	Trp
							120					125			

Pro	Leu	Gln	Ala	Ser	Thr	Gly	Gln	Gly	Gln	Ala	Pro	Gly	Leu	Ala	Cys
						135					140				

Pro	Val
145	

6960

<210> 7846  
<211> 22  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids.

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7846  
Gly Arg Xaa Ala Gly Leu Ala Ala Arg Asp His Gly Gly Ser Ala Lys  
1 5 10 15

Arg Xaa Xaa Xaa Leu Pro  
20

<210> 7847  
<211> 52  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

6961

&lt;400&gt; 7847

Ser Thr Ile Lys Glu Arg Gly Leu Gln Arg Thr Lys Gly Xaa Lys Pro  
 1                      5                      10                      15

Ser Ile Arg Ala Xaa Ala His Tyr Val Asn His His Pro Asn Gln Val  
                     20                      25                      30

Phe Trp Gly Arg Gly Ala Val Lys Ala Leu Asn Arg Asn Pro Lys Gly  
                     35                      40                      45

Ser Pro Arg Phe  
                     50

&lt;210&gt; 7848

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

6962

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7848

Gly	Ala	Met	Arg	Gly	Asp	Xaa	Gly	Arg	Gly	Arg	Gly	Xaa	Arg	Phe	Xaa
1				5					10					15	

Xaa	Arg	Xaa	Gly	Pro	Glu	Glu	Gly	Ser	Ser	Pro	Leu	Leu	Pro	His	Xaa
			20					25						30	

Pro	Leu	Asp	Phe	Tyr	Leu	Cys	Glu	Xaa	Xaa	Leu	Phe	Pro	Gly	Gln	Xaa
		35					40							45	

Gln	Gln	Leu	Trp	Lys	Leu	Ser	Xaa	Met	Arg
		50				55			

&lt;210&gt; 7849

&lt;211&gt; 71

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 6963

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7849

Leu	Cys	Leu	Cys	Ile	Lys	Leu	Thr	Val	Leu	Trp	Ser	Phe	Gly	Met	Asp
1				5					10					15	

Gln	Glu	Glu	Lys	Val	Asn	Thr	Asn	Leu	Xaa	Thr	Thr	Ser	Glu	Xaa	Ser
			20					25					30		

Thr	Xaa	Ser	Cys	Tyr	Arg	Arg	Ile	Cys	Ser	Arg	Leu	Xaa	Pro	Ala	Gly
		35					40					45			

Cys	Pro	Gly	Arg	Gly	His	Lys	Met	Pro	Ser	Thr	Xaa	Thr	Arg	Xaa	Glu
	50					55					60				

Asn	Leu	Arg	Asp	Gly	Arg	Cys
65					70	

&lt;210&gt; 7850

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6964

<220>  
 <221> SITE  
 <222> (26)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7850  
 Ser Cys Ser Thr Ser Leu Lys His Leu Arg Lys Ala Leu Xaa Ser Val  
 1 5 10 15  
 Ile Pro Thr Ser Leu Xaa Ser Arg Gln Xaa Leu Ser Ser Ser Lys Ser  
 20 25 30  
 Gln Leu Leu Phe Asn Thr Val Leu Xaa  
 35 40

<210> 7851  
 <211> 46  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (23)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (28)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals any of the naturally occurring L-amino acids

## 6965

&lt;400&gt; 7851

Asn Xaa Thr Pro Cys Arg Val Pro Val Arg Asn Ser Arg Val Asp Pro  
 1 5 10 15

Arg Val Arg Ala Xaa Leu Xaa Val Ser Thr Leu Xaa Ala Ile Cys Ile  
 20 25 30

Ile Asn Ser Glu Asn Arg Xaa Ala Met Cys Met Gly Gly Thr  
 35 40 45

&lt;210&gt; 7852

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7852

Trp Xaa Thr Ala Xaa Xaa Gly Arg Leu Gln Val Pro Val Arg Asn Ser  
 1 5 10 15

6966

Arg Ala Gln Gln Xaa Ala Gln Pro Glu Trp Arg Met Gly Xaa Leu Pro  
                   20                  25                  30

Val Thr Gly Ala Leu Ser Arg Xaa Gly Val Trp Arg  
           35                  40

&lt;210&gt; 7853

&lt;211&gt; 95

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (78)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (89)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (90)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (94)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7853

Ala Pro Gly Gly Ala Cys Ala Gly Arg Val Gly Leu Thr Gln Asn Arg  
   1                  5                  10                  15

His Pro Ser Ser Phe Leu Gln Leu Pro Ala Pro Thr Gly Pro Asp Leu  
           20                  25                  30

Ala Ser Pro Arg Leu Cys Arg Asp Lys Ala Glu Ala Gln Cys His Asp  
   35                  40                  45

Cys Pro Arg Ile Glu Lys Gln Lys His Lys Thr Leu Thr Leu Thr Cys  
   50                  55                  60



6967

Glu Ile Glu Xaa Arg Phe Ser Phe Leu Leu Ser Leu Gly Xaa Ser Ser  
 65 70 75 80

Gln Lys Arg Lys Asn Pro Asp Leu Xaa Xaa Glu Gly Pro Xaa Glu  
 85 90 95

<210> 7854

<211> 47

<212> PRT

<213> Homo sapiens

<400> 7854

Glu Gln Phe Thr Leu Thr His Ser Cys Cys Thr Ser Glu Asn Glu Ala  
 1 5 10 15

Leu Gln Ala Cys Thr Tyr Tyr Ile Thr Cys Ala Trp Leu Met Ala Met  
 20 25 30

His Phe Gln Ser Glu Phe Ile Tyr Lys Tyr Met His Pro Phe Phe  
 35 40 45

<210> 7855

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

6968

&lt;400&gt; 7855

Ala Arg Ala Gly Gly Pro Gly Ala Ala Gly Arg Gly Xaa Trp Ala Ala  
1 5 10 15

Arg Xaa Pro Xaa Asp Trp Xaa Pro Gly Thr Pro Arg Gln  
20 25

&lt;210&gt; 7856

&lt;211&gt; 90

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (80)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (81)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (84)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (90)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7856

Ala His Ala Ser Ala Val Arg Val Gly Lys His Leu Ser Phe Arg Gly

6969

1	5	10	15
Asp Ser Pro Ser Pro Ser Ser Phe Ala Glu Val Thr Gln Gly Trp Ser	20	25	30
Arg Glu Xaa Ala Asp Asp Ile Xaa Ser Asn Pro Cys Leu Leu Pro Ser	35	40	45
Arg Thr Val Gly Xaa Arg Ala Cys Thr Pro Val Gly Ser Lys Gly Ser	50	55	60
His Arg Ser Lys Thr Pro Pro His Pro Lys Lys Arg Gly Lys Lys Xaa	65	70	75
Xaa Ser Val Xaa Asp Lys Pro Val Phe Xaa	85	90	

&lt;210&gt; 7857

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7857

Asn His Thr Val Gln Thr Phe Phe Ser Pro Val Asn Asn Gly Gln Xaa

6970

1                      5                      10                      15  
Pro Asn Tyr Ile Asn Ile His Arg Xaa Glu Gln Xaa Val Cys Val Xaa  
                    20                      25                      30  
Gly Ala Pro Gln Thr Xaa Ser Pro His  
                    35                      40

&lt;210&gt; 7858

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7858

Ala Asp Ala Trp Ala Asp Ala Trp Ala Asp Ala Trp Ala Gly Arg Trp  
1                      5                      10                      15

Asn Ala Pro Thr Leu Xaa Leu Cys Gly Tyr Met Pro Gly Leu Ser Ile  
                    20                      25                      30

&lt;210&gt; 7859

&lt;211&gt; 114

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6971

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (66)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (70)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (80)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (88)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (90)  
<223> Xaa equals any of the naturally occurring L-amino acids

6972

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (91)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7859

Phe Leu Lys Leu Thr His Xaa His Leu Ile Xaa Gly Lys Lys Ala Trp  
 1 5 10 15

Val Thr Ala Xaa Xaa Gly Leu Pro Gly Ser Gly Xaa Asn Phe Pro Arg  
 20 25 30

Gly Ser Glu Pro Xaa Xaa Xaa Val Pro Glu Leu Lys Phe Leu Lys Asn  
 35 40 45

Pro Arg Lys Ala Gly Pro Ala Ser Leu Arg Lys Gly Ile Pro Lys Gly  
 50 55 60

Leu Xaa Pro Phe Thr Xaa Arg Leu Ala Ile Ala Glu Arg Phe His Xaa  
 65 70 75 80

Ala Ser Phe Leu Ile Lys Leu Xaa His Xaa Xaa Lys Phe Gln Ile Ser  
 85 90 95

Thr Gly Ala Gly Pro Phe Leu Thr Asn Arg Ser Val Asn Leu Gly Gly  
 100 105 110

Lys Asn

&lt;210&gt; 7860

&lt;211&gt; 55

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6973

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (26)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (51)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7860  
 Pro Xaa Xaa His Phe Asn Phe Leu Xaa Glu Lys Lys Leu Trp Gly Leu  
 1 5 10 15  
 Thr Ala Leu Trp Xaa Thr Arg Leu Thr Xaa Gly Phe Pro Gly Gly Lys  
 20 25 30  
 Phe Pro Pro Gly Gly Phe Pro Asn Pro Xaa Xaa Arg Phe Pro Gly Gly  
 35 40 45  
 Glu Arg Xaa Val Trp Gly Ala  
 50 55

<210> 7861  
 <211> 64  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids

6974

&lt;400&gt; 7861

Asp Ile Cys Ile Phe Leu Cys Thr Cys Phe Tyr Lys Met Tyr Leu Ile  
1 5 10 15

Lys Leu Thr Phe Thr Cys Tyr Met Ile Leu Phe Ser Phe Phe Met Val  
20 25 30

Ile Arg Glu Arg Thr Thr Lys Lys Arg Val Leu Lys Xaa Gln Val Arg  
35 40 45

Met Phe Phe Gly His Leu Lys Pro Lys Leu Asn Val Phe Gln Pro Asn  
50 55 60

&lt;210&gt; 7862

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7862

Gly Val Ser Xaa Ala Arg Thr Leu Arg Gly Xaa Gly Leu Arg Leu Tyr  
1 5 10 15

Thr Leu Arg Pro Pro  
20

&lt;210&gt; 7863

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



6975

<220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (32)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (37)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (38)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7863  
 Asp Gly Xaa Ser Asn Leu Xaa Leu Leu Ile Xaa Lys Xaa Gly Thr Pro  
 1 5 10 15  
 Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Gly Xaa  
 20 25 30  
 Val Ser Trp Asp Xaa Xaa Val Met Xaa Gly Lys Thr Gln Arg Leu Ala  
 35 40 45  
 Pro Ile Phe  
 50

6976

<210> 7864  
<211> 58  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7864  
Thr Ile Met Asp Met Tyr Phe Leu Val Ser Leu Thr Pro Lys Gly Asn  
1 5 10 15  
Gly Gly Leu Xaa Gln Ile Asp Xaa Leu Ser Lys Xaa Ile Cys Phe Ser  
20 25 30  
Lys Gln Asn Leu Cys Xaa Ile Glu Asp Xaa Ser Leu Phe Thr Tyr Arg  
35 40 45  
Val Asn Arg Leu Tyr Cys Leu Leu Arg Ser  
50 55

<210> 7865  
<211> 28  
<212> PRT  
<213> Homo sapiens

<220>

6977

<221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (19)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (23)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (27)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7865  
 Gly Lys Glu Gly Arg Val Xaa Gly Val Ser Val Ser Leu Thr Gly Lys  
     1                    5                    10                    15  
  
 Thr Gln Xaa Leu Leu Xaa Leu Val Ala Xaa Leu  
                     20                    25  
  
  
 <210> 7866  
 <211> 59  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (29)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (36)

6978

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7866

Pro Leu Gly Arg Xaa Leu Val Arg Val Gln Val Pro Val Arg Asn Ser  
1 5 10 15

Arg Val Asp Pro Arg Phe Arg Xaa Glu Glu Gly Gln Xaa Lys Val Val  
20 25 30

Leu Ser Leu Xaa Gly Asn Ser Cys Pro Ser Pro Ile Ser Leu Lys Leu  
35 40 45

Asn Lys Val Ser Leu Ser Xaa Thr Gly Ser Xaa  
50 55

<210> 7867

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

6979

<220>  
 <221> SITE  
 <222> (19)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (23)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (25)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (32)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7867  
 Xaa Trp Gly Lys Gly Lys Xaa Tyr Ala Trp Xaa Xaa Pro Val Arg Asn  
           1                  5                  10                  15  
 Ser Arg Xaa Asp Pro Arg Xaa Arg Xaa Arg Val Gly Gly Arg Val Xaa  
                   20                  25                  30

Gln

<210> 7868  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (9)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7868  
 Ala Asp Ala Trp Val Arg Met Val Xaa Arg Gln Val Pro His Glu Arg  
           1                  5                  10                  15

Ala

6980

&lt;210&gt; 7869

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7869

Gly	Gly	Gly	Xaa	Gly	Xaa	Thr	Xaa	Xaa	Phe	Lys	Ser	Glu	Pro	Xaa	Lys
1				5					10					15	

Xaa	Xaa	Trp	Tyr	Ala	Cys	Arg	Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr
			20					25					30		

His

6981

&lt;210&gt; 7870

&lt;211&gt; 96

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (87)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (91)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6982

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (94)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7870

Pro	Arg	Val	Arg	Gly	Arg	Val	Gly	Cys	Ser	Thr	Cys	Pro	Lys	Gln	Pro
1				5					10					15	

Ala	Ser	Pro	Gly	His	Arg	Leu	Pro	Phe	Gly	Xaa	Glu	Gly	Trp	Pro	Ile
			20					25					30		

Xaa	Ala	Ala	Gly	Ser	Xaa	Gly	Xaa	Gly	Trp	Ala	Ser	Gly	Gly	Gly	Gly
		35				40						45			

Phe	Leu	Leu	Ser	Thr	Xaa	Gly	His	Pro	Gly	Asn	Lys	Gly	Xaa	Gln	Gly
	50					55					60				

Ile	Leu	Leu	Pro	Ala	Pro	Leu	Cys	Arg	Trp	His	Xaa	Gly	Arg	Val	Pro
65					70					75					80

Thr	Val	Lys	Asp	Glu	Arg	Xaa	Lys	Ala	Leu	Xaa	Glu	Pro	Xaa	Ser	Gln
			85						90						95

&lt;210&gt; 7871

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7871



## 6983

Gly Gly Gly Xaa Gly Xaa Asp Tyr Gly Leu Ser Asn Thr Xaa His Tyr  
1 5 10 15

Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Asn Ser Arg Val  
20 25 30

Asp Pro Arg Val  
35

<210> 7872

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7872

Asp Pro Arg Val Arg Val Thr Arg Xaa Arg Thr Arg Xaa Ser Lys Lys  
1 5 10 15

Lys Lys Lys Xaa  
20

<210> 7873

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

6984

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7873

Xaa Xaa Asn Gly Met His Arg Xaa Leu Xaa Leu Lys Gly Arg Xaa Asp

1

5

10

15

Arg Ser Arg Gln Val Xaa Leu Pro Cys Ser Gly Asn Val His Gly Xaa

20

25

30

&lt;210&gt; 7874

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6985

<220>  
 <221> SITE  
 <222> (18)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (19)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7874  
 Ala Ile Xaa Trp Thr Ser Ser Ser Ser Met Leu Ala Pro Ser Arg Ser  
           1                  5                  10                  15

Leu Xaa Xaa Arg Leu Thr Leu Asp Met Ser Thr Gly Pro Ser Trp Asp  
                   20                  25                  30

Arg Thr Val Pro  
                   35

<210> 7875  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (27)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (29)  
 <223> Xaa equals any of the naturally occurring L-amino acids

6986

&lt;400&gt; 7875

Xaa His Glu Lys Xaa His Gly Thr Pro Ala Xaa Thr Gly Pro Glu Phe  
1 5 10 15

Thr Gly Arg Asp Trp Glu Asn Pro Asp His Xaa Arg Xaa Gly Asn Leu  
20 25 30

Ala

&lt;210&gt; 7876

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7876

Gly Xaa Asp Tyr Thr Val Leu Thr Gly Xaa Thr Xaa Leu His Xaa Met  
1 5 10 15

Leu Cys Gly Ser Tyr  
20

&lt;210&gt; 7877

&lt;211&gt; 82

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

6987

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (49)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (53)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (72)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (74)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (80)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7877  
Leu Ser Pro His Cys Gly Leu Pro Asn Pro Xaa Leu Leu Pro Phe Gly  
1 5 10 15  
Xaa Phe Gly Lys Ser Asn Ser Cys Leu Pro Met Ala Ser Leu Arg Pro  
20 25 30  
Asn Ser Phe Pro His Val Xaa His Ser Lys Pro Arg Phe Ser Leu Pro  
35 40 45

6988

Xaa Asp Leu Leu Xaa Ser Asn Leu Phe Ile Phe Leu Val Tyr Lys Ser  
           50                          55                          60

Gln Asn Ile Glu Phe Trp Glu Xaa Phe Xaa His Tyr Val Ser Lys Xaa  
       65                          70                          75                          80

Lys Arg

<210> 7878

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7878

Ile Ile Glu Xaa His Gly Ser Leu His Val Pro Val Arg Asn Ser Arg  
       1                          5                          10                          15

Val Val Thr Gly Lys Thr Gln Thr Ile Xaa Leu Ser Arg Xaa Xaa Ala  
                   20                          25                          30

Leu Leu

<210> 7879

<211> 76

<212> PRT

6989

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7879

Ser	Leu	Lys	Ser	Ser	Thr	Ile	Phe	Trp	Gly	Val	Leu	Asn	Thr	Asn	Ile
1				5					10					15	

Ala	Trp	Ala	Xaa	Xaa	Lys	Xaa	Xaa	Leu	Pro	Ser	Leu	Ala	Ile	Xaa	Gly
			20					25					30		

Val	Gly	Gln	Thr	Ile	Cys	Ser	Trp	Cys	Val	Leu	Gln	Glu	Xaa	Gln	Thr
		35					40						45		

6990

Leu Tyr Leu Thr Arg Glu Gly Gly Arg Asn Ser Val Glu Asp Glu Val  
 50 55 60

Glu Arg Val Ile Thr Ile Xaa Ala Glu Ser Xaa Thr  
 65 70 75

&lt;210&gt; 7880

&lt;211&gt; 104

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7880

Gly Xaa Leu Thr Thr Phe Gly Lys Xaa His Ala Cys Arg Tyr Arg Ser  
 1 5 10 15

Gly Ile Pro Gly Ser Thr His Ala Phe Asp Phe Ser Leu Gln Pro Gly  
 20 25 30

Pro Asn Ser His Leu Pro Gly Arg Ile Ser Ser Lys Glu Val Pro Gly  
 35 40 45

Gly Trp Gly Pro Gly Arg Leu Trp Thr Pro Ile Ser Arg Gly Pro Ser  
 50 55 60

Gln Pro Asp Pro Cys Pro Pro Ser Ser Gly Gly Gly Arg Cys Arg Val  
 65 70 75 80

Trp Leu Ser Phe Pro Pro Thr Phe Pro Gly Pro Asn Pro Phe Leu Ser  
 85 90 95

Tyr Thr Gln Leu Gly Leu Leu Pro  
 100

&lt;210&gt; 7881

&lt;211&gt; 53

&lt;212&gt; PRT



6991

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7881

Pro	Ala	Leu	Thr	Gly	Asn	Ser	Ser	Phe	Met	Gly	Asn	Asn	Cys	Asn	Pro
1					5				10					15	

Arg	Ser	Pro	Ser	Arg	Met	Gly	Phe	Asn	Gly	Leu	Pro	Ala	Pro	Ala	Ala
			20					25					30		

Xaa	Gly	Arg	His	Thr	Leu	Ser	His	Ser	Met	Xaa	Ala	Arg	Xaa	Ala	Arg
		35					40					45			

Thr	Ser	Lys	Gly	Ser
		50		

&lt;210&gt; 7882

&lt;211&gt; 62

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

6992

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (45)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (53)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (56)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7882  
Pro Arg Xaa Xaa Pro Arg Val Arg Ser Arg Lys Xaa Val Pro Ala Leu  
1 5 10 15  
Leu Xaa Pro Leu Xaa Ala Pro Pro Pro Ala Gln Gly Gln Arg Gln Arg  
20 25 30  
Gln Arg Arg Leu Gly Arg Phe Xaa Arg Glu Ala Ser Xaa Asp Arg Trp  
35 40 45  
Pro Cys Gly Ile Xaa Asp Asn Xaa Thr Leu Ser Arg Arg Arg  
50 55 60

<210> 7883  
<211> 58  
<212> PRT  
<213> Homo sapiens

6993

<220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (56)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7883  
 Thr Thr Arg Thr Pro Leu Xaa Val Val Leu His Arg Glu Ala Xaa Leu  
 1 5 10 15  
 Val Val Ala Pro Thr Glu Ser Thr Thr Ile Met Cys Val Trp Asp Thr  
 20 25 30  
 Ser Val Val Xaa Leu Lys Arg Tyr Met His Phe Tyr Gly Ile Lys Ile  
 35 40 45  
 Ser Lys Lys Lys Met Gly Ala Xaa His Ala  
 50 55

<210> 7884  
 <211> 76  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (29)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

6994

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7884

Thr	Ala	Ala	Ala	Pro	Leu	Pro	Ala	Tyr	Pro	Ser	Cys	Ala	Ala	Pro	Glu
1				5				10						15	

Pro	Gly	Lys	Glu	Ala	Ala	Met	Gln	Gly	Ser	Thr	Gly	Xaa	Gln	Glu	Thr
			20					25					30		

His	Leu	Arg	Leu	Ser	Pro	Ser	Pro	Xaa	Pro	Thr	Trp	Gly	Val	Tyr	Tyr
		35					40						45		

Leu	Gly	Thr	Pro	Leu	Ala	His	Ala	Xaa	Ser	Leu	Gln	Asn	Asn	Xaa	Asn
	50					55					60				

Cys	Phe	Phe	Phe	Leu	Val	Gln	Asn	Lys	Thr	Ser	Val
65					70					75	

&lt;210&gt; 7885

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 6995

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>  
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<222> (41)  
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6996

<220>  
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<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (48)  
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<220>  
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<222> (49)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (50)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (56)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (63)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (64)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7885  
Met Gly Ala Gly Gln Val Pro Val Asp Leu Thr Arg Gly Pro Glu Gln  
1 5 10 15  
Tyr Gly Lys Gly Xaa Xaa Glu Xaa Xaa Xaa Pro Pro Xaa Xaa Ile Xaa  
20 25 30  
Xaa Val Xaa Xaa Xaa Phe Arg Xaa Xaa Pro Asn Leu Val Xaa Val Xaa  
35 40 45  
Xaa Xaa Arg Xaa Lys Gly Phe Xaa Lys Phe Lys Arg Val Ser Xaa Xaa

6997

50

55

60

Lys

65

&lt;210&gt; 7886

&lt;211&gt; 80

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7886

Asn	Ser	Ala	Glu	Xaa	Cys	Arg	Ala	Leu	Pro	Thr	Cys	Val	Cys	Arg	Ile
1				5					10					15	

Arg	Ser	Lys	Ser	Pro	Ala	Trp	Pro	Gln	Ser	Trp	Pro	Ile	Ser	Arg	Gly
			20					25					30		

Met	Ala	Lys	Pro	Arg	Cys	Ala	Gly	His	Ser	His	Leu	Ile	Phe	Val	Thr
		35					40					45			

Val	Ala	Gly	Ser	Cys	Ser	Asp	Pro	Pro	Trp	Ser	Glu	Xaa	Pro	Gly	Ile
		50				55					60				

Asp	Trp	Gly	Gln	Met	Met	Pro	Val	Phe	Ile	Glu	Gln	Lys	Tyr	Trp	Phe
65					70					75					80

&lt;210&gt; 7887

&lt;211&gt; 96

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

6998

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<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7887

Ile	Arg	Xaa	Arg	Xaa	Gln	Arg	Gly	Leu	Arg	Ala	Pro	Ala	Leu	Gly	Val
1				5				10						15	

Gly	Pro	Asn	Gly	Ala	Gly	Lys	Xaa	Pro	Ser	Thr	Gly	Pro	Glu	Gly	Val
		20						25					30		

Met	Glu	Ala	Ala	Ser	Met	Gly	Cys	Pro	Cys	Ala	Glu	Gly	Cys	Ser	Arg
		35					40						45		

Ala	Cys	Gly	His	Lys	Glu	Gly	Gly	Thr	Arg	Arg	Asn	Pro	Trp	Ala	Gly
	50					55					60				

Thr	Ser	Gly	Val	Trp	Thr	Gly	Gly	Leu	His	His	Arg	Lys	Xaa	Asn	Leu
65					70					75				80	

Cys	Val	Cys	Val	Xaa	Cys	Leu	Arg	Thr	His	Gly	Cys	Xaa	Cys	Val	Gln
				85					90					95	



## 6999

<210> 7888

<211> 71

<212> PRT

<213> Homo sapiens

<220>

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## 7000

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 <400> 7888  
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     1                    5                    10                    15  
  
 Xaa Leu Arg Arg Gly Leu Xaa Pro Pro Xaa Xaa Leu Xaa Xaa Ala Leu  
                     20                    25                    30  
  
 Ser Pro Glu Ser Leu Asn Ser Xaa Phe Leu Phe Asn Pro Leu His Xaa  
                     35                    40                    45  
  
 Xaa Thr Gly Val Pro Xaa His Val Arg Arg Xaa Xaa Arg His Gln Leu  
                     50                    55                    60  
  
 Pro Lys Xaa Pro Xaa Arg Thr  
     65                    70  
  
  
 <210> 7889  
 <211> 111  
 <212> PRT  
 <213> Homo sapiens

## 7001

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<220>  
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 1 5 10 15  
 Thr Pro Ala Arg Pro Gln Arg Ser Pro Ser Xaa Pro Leu Asp Pro Ala  
 20 25 30  
 Leu Ser Cys Gln Gly Val Leu Gly Gly Arg Phe Ser Leu Val Gln Thr  
 35 40 45  
 Trp Leu Pro Val Xaa Pro Leu Ala Ala Gln Gly Arg Leu His Arg Ser  
 50 55 60  
 Ala Glu Trp Leu Gln Gly Arg Xaa Leu Asn Arg Arg Pro Met Gly Asp  
 65 70 75 80  
 Gly Glu Glu Met Val Ser Ser Thr Thr Xaa Leu Thr Asp Gly Gly Ala  
 85 90 95  
 Glu Xaa Ser Gly Ser Pro Gly Gly Leu Gly Xaa Thr Thr Arg Phe

## 7002

100

105

110

&lt;210&gt; 7890

&lt;211&gt; 159

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (59)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (95)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (106)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (108)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (113)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7003

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 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7890  
 Ile Arg Gln Ser Xaa Pro Thr Arg Arg Arg Xaa Gly Trp Pro Leu Gly  
 1 5 10 15  
 Leu His Pro Gly Pro Asp His Leu Leu Glu Gly Pro Gly Gly Ala Met  
 20 25 30  
 Pro Pro Arg Thr Gly Arg His Ser Leu Ser Gly Ala Gly Pro Glu Ser  
 35 40 45  
 Ala Ser Xaa Trp Trp Gly Glu Lys Ala Leu Xaa Pro Leu Ser Glu Leu  
 50 55 60  
 Val Glu Gly Lys Ile Val Cys Glu Arg Cys Cys Leu Pro Ser His Leu  
 65 70 75 80  
 Leu Thr Glu Lys Pro Arg Met Val Glu Trp Asn Glu Ala Val Xaa Pro  
 85 90 95

## 7004

Met Pro Val Pro Pro Gly Gln Pro Ser Xaa Cys Xaa Trp Thr Arg Gly  
                   100                  105                  110

Xaa Xaa Leu Xaa Val Pro Trp Leu Trp Val Xaa Arg Ile Cys Ile Arg  
                   115                  120                  125

Ser Ile Arg Ala Leu Glu Asp Phe Xaa Phe Trp Xaa Lys Lys Lys Lys  
                   130                  135                  140

Lys Phe Gly Gly Ala Xaa Thr Ile Gly Leu Arg Gly Val Xaa Asn  
                   145                  150                  155

&lt;210&gt; 7891

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7891

Phe Gly Xaa Ser Ser Ile Lys Val Arg Gln Pro Lys Lys Lys Lys Lys  
       1                  5                  10                  15

Lys Xaa Xaa Gly Gly Gly Pro Val Pro His Leu Xaa  
                   20                  25

&lt;210&gt; 7892

&lt;211&gt; 141

## 7005

<212> PRT  
<213> Homo sapiens

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## 7006

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## 7007

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## 7008

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (135)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (137)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7892

Glu Leu Val Asp Pro Pro Gly Cys Arg Glu Phe Gly Xaa Gly Ser Cys  
 1 5 10 15

Leu Gly Leu Ser His Ala Ile Leu Val Ser Ser Phe Gly Thr Arg Glu  
 20 25 30

Gly Tyr Ser Gly Val Gly Leu Thr Phe Pro Pro Val Pro His Xaa Lys  
 35 40 45

Val Ser Tyr Gly His Arg Arg Xaa Arg Xaa His Xaa Ser Arg Glu Gly  
 50 55 60

Arg Gly Xaa Leu Trp Leu Xaa Phe Glu Leu Arg Leu Cys Leu Val Asn  
 65 70 75 80

Asn Xaa Xaa Asp Leu Asn Xaa Arg Ser Glu Val Xaa Gly Asn Xaa Leu  
 85 90 95

Xaa Val Thr Gly Xaa Xaa Leu Gly Xaa Xaa Xaa Pro Phe Xaa Xaa Xaa  
 100 105 110

Phe Pro Xaa Lys Gly Xaa Leu Val Phe Pro Arg Lys Xaa Pro Xaa Xaa  
 115 120 125

Xaa Leu Xaa Xaa Gly Xaa Xaa Pro Xaa Asn Gly Gly Ala  
 130 135 140

&lt;210&gt; 7893

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7009

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<400> 7893  
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1 5 10 15  
Val Thr Glu Gly Ala Lys Ser Val Xaa Ile Xaa Lys Tyr Xaa Xaa Val  
20 25 30  
Val Ile Arg Ser Xaa Xaa Ser Leu Gly  
35 40

## 7010

<210> 7894  
<211> 130  
<212> PRT  
<213> Homo sapiens

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## 7011

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## 7012

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   1                  5                  10                  15  
  
 Ser Ser Tyr Xaa Ile Leu Trp Glu Ala Pro Pro Cys Ala Thr Val Ile  
           20                  25                  30  
  
 Ser Pro Gly Cys His Leu Xaa Trp Phe Pro Gly Arg Asp Val Xaa Cys  
           35                  40                  45  
  
 Ser Val Val Cys Gly Val Pro Ser Asp Phe Leu Val His Ile Ala Arg  
           50                  55                  60  
  
 Trp Ser Gly Val Trp Gly Thr Arg Thr Gly Trp Xaa Gly Leu Ser Leu  
   65                  70                  75                  80  
  
 Gly Leu Pro Pro Xaa Lys Ala Gly Ala Gln Xaa Xaa Xaa Lys Cys Xaa  
                   85                  90                  95  
  
 Leu Pro Xaa Xaa Xaa Pro Asn Xaa Asp Arg Xaa Xaa Ser Xaa Xaa Xaa  
           100                  105                  110  
  
 Xaa Leu Xaa Leu Leu Glu Xaa Xaa Leu Xaa Ser Ile Arg Leu Leu Gly  
           115                  120                  125  
  
 Xaa Gly  
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## 7013

<210> 7895

<211> 99

<212> PRT

<213> Homo sapiens

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## 7015

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (86)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 7016

&lt;221&gt; SITE

&lt;222&gt; (88)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (92)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (97)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7895

Gly	Trp	Gln	Gly	Gly	Ala	Gly	Arg	Val	Ala	Ile	Ser	Lys	Ala	Thr	Xaa
1				5					10					15	

Leu	His	Trp	Pro	Xaa	Leu	Xaa	Ser	Pro	Arg	Glu	Gly	Pro	Gly	Asp	Asp
			20				25						30		

Thr	Xaa	Trp	Gly	Leu	Xaa	Lys	Xaa	Ser	Gly	Ile	Ile	Tyr	Gly	Xaa	Ser
			35				40						45		

Xaa	Asp	Ser	Gln	Gly	Xaa	Val	Leu	Gly	Xaa	Leu	Xaa	Xaa	Trp	Xaa	Xaa
	50					55					60				

Xaa	Thr	Xaa	Xaa	Xaa	Gly	Pro	Xaa	Xaa	Xaa	Xaa	Xaa	Met	Xaa	Xaa	Arg
	65				70					75					80

Xaa	Xaa	Xaa	Gly	Ser	Xaa	Leu	Xaa	Met	Pro	Ser	Xaa	Leu	Gly	Val	Leu
				85					90					95	

Xaa Arg Lys

&lt;210&gt; 7896

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

## 7017

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<222> (47)

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<220>

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<222> (49)

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<220>

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<400> 7896

Val	Tyr	Ile	Pro	Leu	Ser	Trp	Pro	Leu	Xaa	Leu	Xaa	Trp	Thr	Lys	Arg
1				5					10					15	

Xaa	Gly	Thr	Lys	Ser	Asp	Leu	Xaa	Tyr	Gly	Ser	Ile	Trp	Ile	Lys	Thr
			20					25					30		

Asn	Gln	Gln	Val	Leu	Pro	Ser	Ser	Arg	Trp	Gly	Ser	Gln	Leu	Xaa	Ser
			35					40					45		

Xaa	Pro	Gln	Leu	Xaa	Phe	Leu	Gln	Gly	Ser	Gln	Leu	Arg	Thr	Asn
	50					55					60			

<210> 7897

<211> 62

<212> PRT

<213> Homo sapiens

<220>

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7018

&lt;400&gt; 7897

Met Ser Arg Thr Leu Thr Asn Gln Ser Phe Leu Leu Leu Trp Lys Gly  
1 5 10 15

Ala Asn Lys Ala Met Gly Met Lys Ser Cys Met Cys Phe Ala Gln Cys  
20 25 30

Gly Ala Ser Tyr Leu Cys Gly Arg Gly Gly Ile Gly Lys Asn Phe Ser  
35 40 45

Gly Glu Gln Xaa Lys Lys Lys Lys Gly Arg Gly Gly Gly Gly  
50 55 60

&lt;210&gt; 7898

&lt;211&gt; 75

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7898

Val Pro Met Leu Arg Leu Ser Ser Arg Pro Glu Glu Val Thr Asp Trp  
1 5 10 15

Leu Gln Ala Glu Asn Phe Ser Thr Ala Thr Val Leu Asp Thr Trp Val  
20 25 30

Pro Asp Gly Glu Pro Ala Tyr Phe Gly Ile Lys Thr Trp Gly Ala Thr  
35 40 45

Asp Ala Tyr Val His Arg Arg Ala Pro Arg Asn Pro Val Pro Ala Gly  
50 55 60

Gly Cys Ser Glu Gly Cys Trp Gly Ile Ser Pro  
65 70 75

&lt;210&gt; 7899

&lt;211&gt; 100

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7019

<222> (18)  
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<223> Xaa equals any of the naturally occurring L-amino acids

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## 7020

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<222> (83)

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## 7021

&lt;400&gt; 7899

Ser Gly Pro Pro Ile Leu Pro Arg Lys Val Asp Thr Xaa Ala Phe Lys  
 1 5 10 15

Thr Xaa Gln Xaa Val Xaa Ser Pro Phe Phe Xaa Xaa Xaa Ser Pro Ser  
 20 25 30

Ser Pro Xaa His Xaa Ser Gln Xaa Ser Xaa Leu Xaa Xaa Gln Leu Leu  
 35 40 45

Leu Xaa Ser Pro Thr Val Val Asn Cys Xaa Xaa Val Ser Pro Ser Xaa  
 50 55 60

Lys Ile Met Ser Ile Leu Gln Gly Leu Pro Gln Ile Leu Gly Asn Leu  
 65 70 75 80

Val Xaa Xaa Leu Gln Pro Gly Ala Val Val Arg Leu Xaa Xaa Leu Thr  
 85 90 95

His Trp Gly Xaa  
 100

&lt;210&gt; 7900

&lt;211&gt; 140

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7022

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<220>  
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<220>  
<221> SITE



## 7023

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<220>  
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<220>  
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<220>  
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<222> (97)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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## 7024

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<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7900

Glu	Leu	Gly	Pro	Ala	Pro	Ala	Gly	Thr	Gln	Ser	Arg	Tyr	Gly	Glu	Gly
1				5				10					15		

Xaa	Xaa	Thr	Asp	Pro	Ile	Xaa	Xaa	Arg	Lys	Arg	Thr	Xaa	Ala	Asp	Lys
		20						25					30		

Glu	Gly	Pro	Trp	Xaa	Pro	Cys	Pro	Xaa	Lys	Asp	Pro	Leu	Xaa	Ala	Gly
		35					40					45			

Leu	Xaa	Gly	Ser	Trp	Pro	Ser	Gly	Thr	Xaa	Xaa	Gly	Tyr	Arg	Leu	Xaa
	50					55					60				

Tyr	Arg	Phe	Arg	Pro	Xaa	Pro	Xaa	Arg	Ser	Pro	Xaa	Xaa	Pro	Phe	Arg
65					70				75					80	

Leu	Glu	Gln	Arg	Gly	Xaa	Lys	Gly	Gly	Gln	Xaa	Gly	Gly	Lys	Leu	Arg
				85					90					95	

## 7025

Xaa Xaa Ser Gly Pro Xaa Leu Gly Xaa Lys Leu Thr Thr Xaa Leu Xaa  
100 105 110

Phe Lys Arg Xaa Xaa Xaa Ile Pro Xaa Gly Asn Xaa Val Xaa Phe Pro  
115 120 125

Xaa Cys Ser Lys Thr Asn Leu Phe Phe Ile Tyr Phe  
130 135 140

<210> 7901

<211> 85

<212> PRT

<213> Homo sapiens

<220>

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<221> SITE

<222> (10)

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<222> (36)

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<220>

<221> SITE

<222> (39)

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<220>

<221> SITE

<222> (57)

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<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7026

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<220>  
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<220>  
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 <222> (84)  
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<400> 7901  
 Ala Cys Xaa Ile Ile Leu Gly Xaa Ser Xaa Gly Thr Ala Trp Lys Lys  
   1                  5                  10                  15  
 Ile Arg Phe Pro Tyr Arg Ile Gly Pro Lys Arg Lys Leu Ile Leu Val  
                   20                  25                  30  
 Lys Phe Leu Xaa Leu Gly Xaa Ala Asp Ile Asn Pro His Leu Gly Cys  
                   35                  40                  45  
 Phe Ile Lys Leu Trp Leu Gln Gln Xaa Gly Leu Glu Phe Val Thr Val  
                   50                  55                  60  
 Xaa Val Pro Phe Gly Asn Phe Trp Ser Leu Phe Xaa Ser Val Asp Asn  
   65                  70                  75                  80  
 Ser Xaa Trp Xaa Ser  
                   85

<210> 7902  
 <211> 46  
 <212> PRT  
 <213> Homo sapiens

<220>  
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7027

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<400> 7902  
 Xaa His Leu Phe Ser His Ser Met Asp Val Gln Leu Leu Ser Ser Xaa  
           1                  5                  10                  15

Gly Gln Ile Xaa Gly Ala Lys Leu Leu Ala Xaa Tyr Val Lys Leu Xaa  
                   20                  25                  30

7028

His Xaa Xaa Ile Ser Xaa Asn Xaa Ser Pro Xaa Phe Val Xaa  
35 40 45

&lt;210&gt; 7903

&lt;211&gt; 81

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7029

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<400> 7903

[illegible]

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<210> 7904
<211> 93
<212> PRT
<213> Homo sapiens
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<220>



## 7031

&lt;221&gt; SITE

&lt;222&gt; (70)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (80)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (84)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (89)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (92)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7904

Gly	Gly	Lys	Glu	Gly	Glu	Tyr	Thr	Leu	Leu	Val	Asn	Ser	Gly	Tyr	Ser
1				5					10					15	

Cys	Ile	Leu	Ser	Cys	Leu	Asp	Ser	Thr	Gly	Gly	Phe	Leu	Ser	Phe	Phe
			20					25					30		

Glu	Ser	Leu	Leu	Thr	Leu	Gly	Met	Arg	Asp	Arg	Asn	Arg	Val	Arg	Glu
		35					40					45			

Glu	Val	Xaa	Phe	Lys	Cys	Xaa	Phe	Phe	Pro	Xaa	Xaa	Thr	Xaa	Thr	Gln
		50				55						60			

Pro	Tyr	Phe	Trp	Asp	Xaa	Xaa	Ile	Pro	Thr	Phe	Pro	Leu	Asp	Leu	Xaa
	65				70					75					80

Pro	Lys	Ile	Xaa	Gly	Gly	Thr	Pro	Xaa	Asn	Leu	Xaa	Pro
				85					90			

&lt;210&gt; 7905

7032

<211> 91  
<212> PRT  
<213> Homo sapiens

<220>  
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<220>  
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<220>  
<221> SITE

## 7033

&lt;222&gt; (84)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (90)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7905

Met Leu Leu Gln Ala Ala Lys Ala His Ala Cys Cys Trp Xaa Ser Leu

1

5

10

15

Cys Xaa Xaa Xaa Asp Leu Gly Ala Gly Ala Leu Asn Ala Gly Ser Tyr

20

25

30

Ala Ser Leu Gly Lys Arg Thr Asp Tyr Gly Lys Leu Tyr His Val Leu

35

40

45

Ser Leu Ile Ser Val Lys Thr Ser Ser Tyr Thr Leu Ile Ile Ser Ile

50

55

60

His Xaa Xaa Asn Xaa Arg Leu Val Pro Xaa Gly Leu Lys Lys Ile Leu

65

70

75

80

Xaa Leu Gly Xaa Gln Asn Phe Trp Gly Xaa Phe

85

90

&lt;210&gt; 7906

&lt;211&gt; 97

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7034

<222> (34)  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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## 7035

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<220>

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<222> (67)

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<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

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<220>

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<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

7036

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (97)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7906

Phe	Leu	Thr	Ser	Asp	Val	Ile	Ile	Tyr	Leu	Pro	Ala	Leu	Ile	Leu	Gly
1				5				10						15	

Val	Gln	Thr	Ala	Asn	Leu	Xaa	Phe	Xaa	Phe	Gln	Ala	Leu	Xaa	Arg	Leu
			20					25					30		

Gly	Xaa	Ser	Phe	His	Leu	Xaa	Phe	Arg	Arg	Thr	Gly	Xaa	Xaa	Pro	Ala
		35					40					45			

Val	Xaa	Xaa	Xaa	Xaa	Xaa	Gly	Ser	Arg	Val	Pro	Ala	Ser	Val	Xaa	Xaa
	50					55					60				

Pro	Ile	Xaa	Xaa	Phe	Arg	Xaa	Arg	Thr	Val	Xaa	Ser	Trp	Gly	Phe	Gly
65					70					75					80

Xaa	Gly	Arg	Val	Ser	Trp	Xaa	Phe	Gln	Arg	Xaa	Xaa	Xaa	Gly	Gly	Xaa
				85					90					95	

Xaa

&lt;210&gt; 7907

&lt;211&gt; 61

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7037

<221> SITE  
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 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
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 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
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 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
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 <222> (24)  
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 <222> (48)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
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 <222> (61)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7907  
 Thr Ser Xaa Xaa Ser Leu Xaa Trp Arg Xaa Gly Cys Phe Ser Leu Cys  
   1                  5                  10                  15  
  
 Thr Lys Arg Arg Xaa Xaa Gly Xaa Gly Val Asn Val Asn Phe Ser Thr  
                   20                  25                  30  
  
 Leu Cys Leu Asn Val Tyr His Leu Thr Asn Ile Ile Lys Glu Thr Xaa  
                   35                  40                  45  
  
 Leu Lys Leu Glu Phe Pro Lys His Tyr Ser Gly Cys Xaa  
   50                  55                  60  
  
  
 <210> 7908  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE

7038

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7908

Ile	Arg	His	Xaa	Xaa	Ser	Arg	Lys	Xaa	Leu	Xaa	Pro	Arg	Lys	Ser	Arg
1				5				10					15		

Cys Cys Pro

&lt;210&gt; 7909

&lt;211&gt; 72

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



7039

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7909

Ser Gln Leu Leu Ser Leu Leu Ser Xaa Xaa Asp Gly His Leu Xaa Xaa  
 1 5 10 15

His Thr Thr Ala Asn Trp Leu Gly Val Val Gly Leu Ser Asn Asp Tyr  
 20 25 30

Leu Leu Met Ile Thr Tyr Glu Lys Gln Gln Gln Lys Ser His Leu Glu  
 35 40 45

Ala Ala Phe Asn Glu Arg Thr Asn Val Leu Pro Ser Asn Arg Ala Ala  
 50 55 60

Lys Ile Phe Leu Leu Leu Xaa Phe  
 65 70

&lt;210&gt; 7910

&lt;211&gt; 70

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7910

Phe Gly Xaa Gly Ile His Glu Val Gly Gln Gly Tyr Thr Asn Ala Lys  
 1 5 10 15

Leu Ser Cys Met Phe Phe Asn Arg Asn Cys Gly Thr Ser Xaa Ile Tyr  
 20 25 30

Leu Ile Asn Gly Asn Leu Leu Arg Glu Cys Phe Gly Asp Thr Trp Ala  
 35 40 45

Val Ser Ser Leu Cys Val Leu Gln Arg Phe Cys Leu Cys Asn Leu Phe  
 50 55 60

7040

Ile His Leu Val Ile Arg  
65 70

&lt;210&gt; 7911

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7041

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7911

Ser	Xaa	Asn	Leu	Xaa	Gly	Phe	Phe	Xaa	Phe	Gly	Gln	Lys	Ile	Ile	Lys
1				5				10					15		

Xaa	Phe	Phe	Phe	Xaa	Lys	Lys	Lys	Lys	Lys	Asn	Xaa	Gly	Gly	Gly	Xaa
			20				25						30		

Arg	Xaa	Pro	Phe	Gly	Pro	Xaa	Gly	Gly
		35				40		

&lt;210&gt; 7912

&lt;211&gt; 81

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7912

Pro	Asn	Gly	Leu	Gly	His	Gln	Ile	Leu	Ser	His	Ser	Val	His	Glu	Ser
1				5				10					15		

Ser	Ser	Pro	His	Thr	Ile	Ile	His	Ile	Tyr	Ser	Pro	Asn	Ser	Asn	Thr
			20					25					30		

Gly	Glu	Ser	Leu	Glu	His	Pro	Val	Leu	Ala	Leu	Trp	Glu	Arg	Gly	Arg
		35					40					45			

Trp	Arg	Ser	Gly	Cys	Met	Tyr	Leu	Asn	Asn	Thr	Asp	Pro	Val	Leu	Ser
		50				55				60					

Pro	Ser	Ala	Gly	Ile	Ser	Pro	Cys	Glu	Gly	Ala	Ala	Gly	His	Pro	Gly
		65			70					75					80

Ile

&lt;210&gt; 7913

&lt;211&gt; 126

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

## 7042

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (82)

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<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (90)

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<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7043

<220>  
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<222> (97)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (99)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids.

7044

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 <222> (113)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>  
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<220>  
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<220>  
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 <222> (122)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7913  
 Asn Ser Thr Arg Gly Asp Phe Tyr Asn Pro Val Val Pro Glu Val Gln  
 1 5 10 15  
 Lys Arg Arg Met Gly Ala Xaa Pro Val Arg Gly Leu Gly Gly Xaa Gly  
 20 25 30  
 Ala Ala Ala Ala Gly Gly Arg Ala Ala Leu Leu Leu Val Ser Pro Thr  
 35 40 45  
 Xaa Arg Arg Ser Thr Arg Pro Pro Arg Ser Ser Thr Pro Arg Arg Xaa  
 50 55 60  
 His Arg Pro Xaa Lys Pro Ala Xaa Ala Gln Leu Arg Pro Gln Asp Tyr  
 65 70 75 80

## 7045

Val Xaa Arg Asp Arg Xaa Lys Val Asp Xaa Thr Thr Xaa Thr Xaa Ser  
                                     85                                    90                                    95

Xaa Asn Xaa Xaa Xaa Ile Gly Xaa Xaa Xaa Gly Xaa Xaa Xaa Ser Phe  
                                     100                                    105                                    110

Xaa Xaa Xaa Lys Xaa Xaa Xaa Trp Leu Xaa Lys Ser Ile Phe  
                                     115                                    120                                    125

&lt;210&gt; 7914

&lt;211&gt; 93

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (78)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (81)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7914

Ser Gly Lys His Cys Ile Met Phe Ala Leu Tyr Ser Phe Asn Gly Lys  
   1                                    5                                    10                                    15

Arg Lys Gly Lys Asn Thr Tyr Glu Lys Lys Ala Val Pro Trp His Cys  
                                     20                                    25                                    30

Leu Phe Ser Met Leu Cys Ala Val Asp Trp Gly His Phe Asn Tyr His  
                                     35                                    40                                    45

Val Gln Phe Tyr Gly Leu Phe Met Arg Ser Phe Phe Leu Thr Phe Ser  
                                     50                                    55                                    60

Trp Ile Ala Val Lys Gly Lys Tyr Arg Arg Ile Glu Glu Xaa Phe Ser  
   65                                    70                                    75                                    80

Xaa Arg Trp Ala Gly Thr Val Pro Pro Trp Ser Met Gly  
                                     85                                    90

&lt;210&gt; 7915

&lt;211&gt; 75

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

7046

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7915

Phe	Gly	Arg	Glu	Ala	Thr	Arg	Thr	Cys	Gln	Xaa	Trp	Xaa	Leu	Val	Ile
1				5					10					15	

Ser	Glu	Gly	Glu	Arg	Gly	Lys	Ser	Arg	Arg	Ala	Gly	Trp	Pro	Gly	Ala
			20					25					30		

Ser	Gly	Gln	Arg	Gly	Gln	Xaa	Phe	Arg	Val	Lys	Val	Phe	Arg	Met	Arg
		35					40					45			

Ala	Arg	Thr	Arg	Ser	Xaa	Leu	Arg	Val	Gly	Leu	Leu	Arg	Trp	Asn	Gly
	50					55					60				

Ala	Glu	Gly	His	Gly	Leu	Thr	Gly	Glu	Glu	Thr
65					70					75

&lt;210&gt; 7916

&lt;211&gt; 109

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE



7047

<222> (20)  
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<220>  
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<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (67)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (72)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (73)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (75)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (78)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (83)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (86)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (91)

## 7048

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7916

Leu	Cys	Xaa	Val	Gly	Gly	Arg	Gly	Gly	Trp	Arg	Lys	Lys	Trp	Ser	Glu
1				5					10					15	

Leu	Leu	Gly	Xaa	Arg	Ala	Lys	Gly	Pro	Glu	Xaa	Ile	Glu	Ile	Pro	Pro
			20					25						30	

Ser	Trp	Asn	Ala	Gly	Ile	Trp	Pro	Arg	Met	Xaa	Phe	Gly	Gln	Arg	Gly
		35					40					45			

Glu	Glu	Glu	Glu	Val	Ser	Pro	Asp	Ile	Pro	Ser	Leu	Ser	Ile	His	Leu
		50				55					60				

Leu	Thr	Xaa	Lys	Leu	Phe	Thr	Xaa	Xaa	Tyr	Xaa	Ala	Leu	Xaa	Asn	Phe
	65				70				75					80	

Ser	Gln	Xaa	Pro	Phe	Xaa	Val	Thr	Phe	Arg	Xaa	Phe	Tyr	Pro	Pro	Phe
				85					90					95	

## 7049

Asn Leu Xaa Xaa Phe Xaa Xaa Phe Leu Xaa Phe Lys Xaa  
100 105

<210> 7917

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

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<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7917

## 7050

Leu Ser Thr Ala Glu Asp Gln Gly Gly Arg Asn Ser Ser Leu Lys Val  
 1 5 10 15  
 Ala Leu Ser Gly Pro Trp Pro Gly Arg Pro Xaa Ala Phe Leu Val Gly  
 20 25 30  
 Thr Thr Arg Gly Gln Xaa His Met Val Leu Pro Phe His Leu Cys Trp  
 35 40 45  
 Pro Pro Pro Gly Gly Ile Xaa Pro Leu Thr Pro Met Leu Glu Gly Gly  
 50 55 60  
 Ser Val Asn Gly Arg Gly Thr Leu Xaa Ile Xaa Xaa Leu Lys Gly Xaa  
 65 70 75 80  
 Leu Gly Lys Val Xaa Arg Asn  
 85

&lt;210&gt; 7918

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7051

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7918

Cys Trp Ser Leu Cys Ala Leu Trp Leu Leu Asn Xaa Xaa Xaa Ala Xaa

1

5

10

15

Ser Trp His His Ile Leu Xaa Thr Cys Phe Leu Gly Lys Phe Pro Trp

20

25

30

Lys Asn Asp Cys Xaa Val Lys

35

&lt;210&gt; 7919

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7919

Val Lys Leu His Glu Lys Leu Asn Met Leu Pro Leu Phe Phe Thr Leu

1

5

10

15

Cys Arg Gly Leu Thr Leu Phe Ser Ile Leu Ala Cys Gly Lys Leu Ser

20

25

30

Leu Thr Tyr Asp Leu Xaa Ile His Ser Asn Lys Val Thr Ser Gln Met

35

40

45

Cys Leu

50

&lt;210&gt; 7920

&lt;211&gt; 62

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7052

<220>  
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 <222> (25)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>  
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<400> 7920  
 Glu Val Ser Ile Ser Val Leu Pro Glu Phe Phe Pro Ser Ser Glu Asp  
           1                  5                  10                  15  
 Val Thr Asp Xaa Leu Leu Glu Leu Xaa Met Arg Xaa Lys Glu Trp Xaa  
                   20                  25                  30  
 Leu Lys Ala Phe Gly Leu Lys Xaa Val Xaa Asn Lys Ile Val Ser Gly  
                   35                  40                  45  
 Phe Tyr Ser Lys Lys Lys Lys Lys Ile Trp Gly Gly Gly Pro  
           50                  55                  60

<210> 7921  
 <211> 71  
 <212> PRT  
 <213> Homo sapiens

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<220>

MISSING AT THE TIME OF PUBLICATION

7054

<210> 7923  
 <211> 70  
 <212> PRT  
 <213> Homo sapiens

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<400> 7923  
 Cys Gln Glu Cys Arg Leu Val Tyr Val Pro Gly Gly Gly Thr Gln Arg  
   1                  5                  10                  15  
 Gly Ala Pro Gly Phe Pro Cys Pro Pro Ala Ala Leu Pro Leu Phe Pro  
                   20                  25                  30  
 Phe Phe Pro Asp Xaa Arg Pro Glu Pro Val Pro Xaa Leu Xaa Ile Asn  
                   35                  40                  45  
 Leu Cys Glu Ile Lys Lys Lys Lys Lys Lys Asn Ser Gly Gly Gly Pro  
           50                  55                  60  
 Val Pro Xaa Trp Ala Leu  
   65                  70

<210> 7924  
 <211> 145  
 <212> PRT  
 <213> Homo sapiens

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## 7055

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## 7056

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<222> (71)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7924

Xaa	Pro	Thr	Leu	Tyr	Thr	Ala	Ala	Cys	Arg	His	Gly	Pro	Ala	Phe	Pro
1				5					10					15	

Xaa	Ser	Tyr	Val	Pro	Pro	Arg	Arg	Cys	Thr	Cys	Arg	Thr	Leu	Ile	Arg
			20					25					30		

Xaa	Asp	Trp	Xaa	Ser	Phe	Trp	Xaa	Leu	Phe	Xaa	Xaa	Trp	Val	Cys	Xaa
			35					40					45		

7057

Xaa Cys Xaa Val Leu Val Phe Cys Xaa Ser Leu Xaa Cys Xaa Leu His  
 50 55 60  
 His Asn Ala Asn Leu Xaa Xaa Leu Gln Ile Ser Met Lys Pro Ala His  
 65 70 75 80  
 Ser Ala Val Cys Pro Gly His Leu Ala Ser Cys Arg Thr Lys Arg Xaa  
 85 90 95  
 Cys Thr Pro Leu Arg Ala His Val Val Gly Ala Leu Pro Trp Gln Val  
 100 105 110  
 Xaa Leu Cys Ser Glu Ala Ile Ser Gly Thr Gly Pro Thr Arg Pro Gln  
 115 120 125  
 Pro Ser Arg Thr Gly Leu Thr Leu Leu Xaa His Pro Gly Cys Xaa Ser  
 130 135 140  
 Val  
 145

&lt;210&gt; 7925

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7925

Met Xaa Leu Ser Ile Thr Lys Ile Thr Gly Tyr Tyr Leu Gln Asp Ile  
 1 5 10 15

Lys Lys His Leu Lys Lys Arg Lys Arg Thr Ile Ser Val  
 20 25

&lt;210&gt; 7926

&lt;211&gt; 55

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

7058

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7926

Asp	Ile	Lys	Ile	Tyr	Ile	Asp	Tyr	Ile	Leu	Lys	Leu	Leu	Asn	Ala	Leu
1				5					10						15

Ile	Leu	Ala	Thr	Xaa	Xaa	Glu	Ile	Val	Asn	Ser	Phe	Thr	Glu	Ile	Asn
			20					25					30		

Ser	Thr	Asp	Arg	Cys	Arg	Xaa	Arg	Ser	Xaa	Gly	Ser	Arg	Xaa	Val	Phe
		35					40						45		

Ala	Leu	His	Thr	Glu	Trp	Xaa
	50					55

<210> 7927

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

7059

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<400> 7927  
 Ala Arg Gly Glu Ala Ser Xaa Pro Ala Leu Gln Val Arg Gly Trp Arg  
 1 5 10 15  
 Arg Pro Gly Phe Leu Pro Pro Gly Asp Gly Thr Gly Pro Gly Pro Ala

7060

		20						25						30		
Pro	Arg	Val	Ala	Pro	Gly	Gly	Pro	Xaa	Pro	Pro	Xaa	Glu	Ser	Trp	Pro	
		35					40					45				
Pro	Arg	Ala	Xaa	Thr	Xaa	Pro	Ala	Gly	Arg	Ser	Leu	Asp	Thr	Pro	Xaa	
		50				55					60					
Ala	Pro	Gln	Ser	Pro	Ala	Ala	Ala	Pro	Pro	Gly	Met	Ala	Gln	Gly	Pro	
		65			70					75					80	
Xaa	Leu	Xaa	Tyr	Gly	Gln	Gln	His	Gly	Asp	Lys	Xaa	Gly	Ser	Tyr	Leu	
				85					90					95		
Met	Leu	Gly	Gly	Xaa	Lys	Val	Asp	Gly								
			100					105								

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<210> 7928
<211> 50
<212> PRT
<213> Homo sapiens
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<220>  
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<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 7928
Ala Glu Val Gln Met Thr Thr Phe Lys Glu Glu Pro Ser Ala Pro Ala
  1                      5                      10                      15
Xaa Gln Asp Glu Lys Leu Ser His Leu Ala Leu Ile Leu Pro Gln Glu
          20                      25                      30
Leu Xaa Gln Asp Gln Val Xaa Thr Gly Ser Ala Thr Leu Gln Lys Met
          35                      40                      45
Ser Ser
          50

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7061

&lt;210&gt; 7929

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7929

Gln Tyr His Ser Asn Ile Ile Trp Ile Arg Ala Phe Ile Leu Gly Arg  
1 5 10 15

Lys Thr Val Val Ile Thr Gly Ile Leu Leu Asn Leu Lys Leu Cys Arg  
20 25 30

Lys Gln Thr Lys Leu Phe Leu Gly Glu Asn Gln Leu Leu Asp  
35 40 45

&lt;210&gt; 7930

&lt;211&gt; 74

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

7062

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<220>  
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## 7063

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<220>  
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<400> 7930  
 Pro Ala Arg Lys Ala Gln Ser Ile Leu His Ser Xaa Cys Phe Pro Val  
           1                  5                  10                  15  
 Leu Xaa Leu Xaa Xaa Arg Xaa Met Gly Val Pro Xaa Lys Thr Phe Ala  
                   20                  25                  30  
 Val Xaa Pro Xaa Phe Xaa Xaa Xaa Phe Xaa Xaa Lys Phe Asp Arg Leu  
           35                  40                  45  
 Asn Tyr Cys Xaa His Ser Leu Phe Leu Gly Leu Xaa Xaa Xaa Xaa Gly  
           50                  55                  60  
 Asn Xaa Xaa Arg Ala Asp Ala Xaa Leu Phe  
           65                  70

<210> 7931  
 <211> 136  
 <212> PRT  
 <213> Homo sapiens

7064

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (87)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (103)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7931

Arg	Ile	Lys	Asp	Gly	Ser	Asp	Tyr	Leu	Lys	Arg	Asn	Leu	Ile	Ile	Ser
1				5					10					15	

His	Asn	Gly	Asn	Arg	Lys	Lys	Lys	Thr	His	Asn	Thr	Phe	Xaa	Arg	Ser
		20					25						30		

Gly	Lys	Thr	Lys	Glu	Ser	Arg	Phe	Arg	Leu	Pro	Lys	Glu	Gly	Pro	Leu
		35					40					45			

Arg	Ser	Tyr	Leu	His	Glu	Ala	Xaa	Arg	Leu	Val	Pro	Glu	Arg	Thr	Ser
	50					55					60				

Val	Gln	Val	Trp	Glu	Phe	Pro	Trp	Glu	Leu	Ala	Pro	Ser	His	Ser	Pro
65					70					75					80

Pro	Gln	Leu	Arg	Ser	Leu	Xaa	Gly	Leu	Pro	Leu	Leu	Gly	Ser	Ile	Ile
			85						90					95	

Leu	Asp	Lys	Pro	His	Cys	Xaa	Glu	Asn	Pro	Trp	Gly	Asp	Thr	Gly	Leu
			100					105					110		

Ala	Phe	Pro	Ala	Glu	Gly	Gln	Cys	Leu	Lys	Arg	Asn	Trp	Gly	Ser	Pro
		115					120					125			

Arg	Asp	Gln	Ile	Arg	Leu	Arg	Trp
	130				135		

&lt;210&gt; 7932

## 7065

<211> 150  
<212> PRT  
<213> Homo sapiens

<220>  
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<400> 7932  
Arg His Leu Thr Arg Arg Cys Gly Leu Leu His Ala Xaa Val Arg Arg

7066

1                      5                      10                      15  
 Pro Leu Tyr Gly Phe Ser Ile Leu Val Glu Ile Leu Ser Pro Trp Pro  
                     20                      25                      30  
 Phe Gly Val Pro Cys Cys Ile Ser Glu Val Asn Phe Asn Tyr Ser Thr  
                     35                      40                      45  
 Phe His Gln Cys Trp Ser Gly Lys Lys Lys Glu Glu Gln Ile Trp Gly  
                     50                      55                      60  
 Glu Lys Phe Cys Phe Leu Gly Leu Thr Asn Cys Lys Met Xaa Lys Ile  
                     65                      70                      75                      80  
 Ala Xaa Met Gly Glu Lys Lys Thr Arg Ala Leu Trp Thr Phe Ala Lys  
                     85                      90                      95  
 Xaa Phe Ser Arg Ile Thr Cys Phe Ser Xaa Pro His Xaa Val Thr Leu  
                     100                      105                      110  
 Ile Ser Gly Ser Ser Tyr Val Gly Asp Lys Arg Ser Thr Gly Ser Ser  
                     115                      120                      125  
 Gly Met Leu Glu Gln Met Val Asp Gln Asn Gly Leu Xaa His Xaa Ser  
                     130                      135                      140  
 Val Glu Val Xaa Leu Asp  
                     145                      150

&lt;210&gt; 7933

&lt;211&gt; 117

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7933

Asn Trp Val Glu Asp Ser Ser Cys Cys Leu Asn Asn Ala Leu Thr Pro  
                     1                      5                      10                      15  
 Phe Ser Pro Gln Lys Gly Pro Thr Phe Leu Lys Leu Phe Ser Ala Pro  
                     20                      25                      30  
 Pro His Leu Leu Thr Cys Asn Thr Cys His Asn Arg Lys Pro Val Ser  
                     35                      40                      45  
 Tyr Thr Val Ile Pro Lys His Ile Ala Pro Thr Arg Gly Glu Arg Glu  
                     50                      55                      60  
 Gly Leu Ser Glu Glu Arg Gly Gly Gln Ala Phe Gln Lys Leu Glu Gly  
                     65                      70                      75                      80

## 7067

Leu Ser Thr Glu Pro Leu Pro Arg Trp Gly Val Pro Thr Pro Lys Pro  
                     85                    90                    95

Arg Ile Gln Lys Pro Glu Ser Thr Ser Arg His Ser Trp Phe Pro Phe  
                     100                    105                    110

Ser Cys Ser Cys Trp  
                     115

<210> 7934

<211> 113

<212> PRT

<213> Homo sapiens

<220>

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<222> (4)

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<220>

<221> SITE

<222> (96)

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<220>

<221> SITE

<222> (113)

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<400> 7934

Gly Ala Ser Xaa Val Ala Leu Glu Gly Trp Leu Gly Gln His Gly Pro  
       1                    5                    10                    15

Val Ala Asn Pro Leu Phe Trp Cys Val Cys Val Cys His Leu Pro Met  
                     20                    25                    30

Leu Val Ser Ala Pro Arg Arg Thr Trp Arg Gly Pro Gly Arg Lys Cys  
                     35                    40                    45

Ser Gly Gly Trp Val Ala Gly Pro Asp Gln Ser Ser Val Leu Leu Gly  
                     50                    55                    60

Asn Trp Cys Trp Arg Ala Arg Ser Glu Glu Ala Glu Gly Val Ala Pro  
       65                    70                    75                    80

Gly Tyr Glu Gly Val Ser Gly Cys Ser Ser Cys Ser Leu Gly Cys Xaa  
                     85                    90                    95

## 7068

Trp Trp Pro Ser Ala Gly Gly Trp Ser Thr Pro Thr Lys Ala Thr Ser  
                   100                  105                  110

Xaa

<210> 7935

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7935

Gly Glu Asn Cys Ile Xaa Glu Thr His Asn Val Arg Ile Leu Asp Phe  
       1                  5                  10                  15

Tyr Xaa Gln Ile Ile Leu Ser Cys Thr Glu Trp Lys Thr Val Tyr Leu  
                   20                  25                  30

Tyr Ile Asn Xaa Cys Xaa Asp Tyr Glu Ser Phe Asn Pro Tyr Pro Leu  
           35                  40                  45

Phe Leu  
       50

<210> 7936

<211> 49

<212> PRT

7069

&lt;213&gt; Homo sapiens

&lt;400&gt; 7936

Leu Leu His Leu Ile Phe Asn Ile Asp Ile Lys Met Gln Met Asn Gln  
 1 5 10 15  
 Ser Phe Cys Asn Glu Asn His Phe Arg Arg Asn Ile Ser Asp Pro Thr  
 20 25 30  
 Pro Ser Pro Pro Ala Cys Arg Met Arg Pro Glu Ile Asn Ser Val Ser  
 35 40 45

Val

&lt;210&gt; 7937

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7937

Arg Ser His Phe Thr Lys Ala Lys Lys His Val Met Ile Tyr Pro Leu  
 1 5 10 15  
 Leu Lys Leu Ile Ser Pro Phe Ala Cys Ile Gly His Arg Phe His Gly  
 20 25 30  
 Lys Ser Lys Ala Phe Ser Leu Leu Ser Asp Ile Phe Ile Xaa Ser Leu  
 35 40 45  
 Asn Tyr Leu Asn Lys Lys Lys Leu Leu Pro Leu Cys Arg Val Lys  
 50 55 60

&lt;210&gt; 7938

&lt;211&gt; 153

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7070

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (57)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (105)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (110)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (124)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (143)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (148)  
<223> Xaa equals any of the naturally occurring L-amino acids



## 7071

&lt;400&gt; 7938

Xaa Thr Pro Xaa Ser Gln Xaa Arg Arg Gln Cys Leu Lys Asp Ile Xaa  
 1 5 10 15  
 Xaa Phe Leu Leu Leu Cys Asn Val Ile Leu Trp Ile Met Pro Ala Phe  
 20 25 30  
 Gly Ala Arg Pro His Phe Ser Asn Thr Val Glu Val Asp Phe Tyr Gly  
 35 40 45  
 Tyr Ser Leu Trp Ala Val Ile Ser Xaa His Leu Pro Pro Phe Arg His  
 50 55 60  
 Leu Leu Pro His Ala Arg Cys Val Gln Pro Ala Gly Gly Leu Arg Ala  
 65 70 75 80  
 Val Leu Arg Pro Pro Thr Glu Ala Trp Gly Ala Gly Arg Gly Gly Ser  
 85 90 95  
 Ala His Val Pro Thr Gln Thr Pro Xaa Gly Asn Glu Ser Xaa Leu Val  
 100 105 110  
 Pro Tyr Asp Ser Pro Phe Pro Ser Gly Pro Lys Xaa Glu Phe Ser Gln  
 115 120 125  
 Lys Leu Phe Phe Gln Val Gln Phe Leu Asn His Ser Gln Asp Xaa Pro  
 130 135 140  
 Ile His Pro Xaa Ile Asn Val Gly His  
 145 150

&lt;210&gt; 7939

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

7072

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7939

Gly	Leu	Val	Leu	Asp	Arg	Glu	Arg	Thr	Xaa	Xaa	Xaa	Trp	Lys	Tyr	Phe
1				5					10					15	

Glu	Xaa	Val	Ser	Ala
			20	

<210> 7940

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7940

Leu	Trp	Ala	Arg	Gly	Xaa	Gly	Gly	Pro	Gly	Ala	Gly	Ala	Leu	Ser	Ser
1				5					10					15	

Xaa	Leu	Xaa	Ser	Ala	Arg	Ile	Xaa	Ile	Trp	Asn	Met	Leu	Leu	Ser	Tyr
			20					25						30	

Leu

7073

&lt;210&gt; 7941

&lt;211&gt; 120

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (92)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7941

Val	Ile	Asp	Thr	Leu	Ser	Asn	Pro	Gly	Ser	His	Thr	Pro	Ser	Gln	Val
1				5				10						15	

Phe	Pro	Arg	Glu	Gln	Gln	Gln	Ile	His	Gly	Leu	Ile	Ser	Val	Leu	Val
			20				25						30		

Ala	Leu	Cys	Ser	Ser	Ser	Gly	Leu	Glu	Asp	Arg	Tyr	Ser	Trp	Thr	Glu
		35					40					45			

Leu	Leu	Lys	Thr	Phe	Gln	Asn	Thr	Pro	Ser	Pro	Cys	Pro	Ala	Leu	Pro
		50				55					60				

Leu	Gly	Ser	Thr	Gly	Thr	Pro	Val	Gly	Trp	His	Asn	Ile	Val	Tyr	Pro
65					70					75					80

Cys	Arg	Ser	Arg	Ala	Gly	Ile	Phe	Thr	Ser	Val	Xaa	Lys	Gly	Leu	Cys
				85					90					95	

Gln	Gly	Gln	Ser	Arg	Trp	Ser	Pro	Leu	Pro	Ala	Leu	Ser	His	Ile	Arg
			100					105					110		

Val	Leu	Ala	Phe	His	Cys	Asp	Val
		115				120	

&lt;210&gt; 7942

&lt;211&gt; 128

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

7074

<222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (8)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (99)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (120)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (121)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (122)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7942  
 Xaa Leu Glu His Met Xaa Xaa Xaa Arg Pro Ala Ser Lys Cys Leu Gly  
   1                  5                  10                  15  
  
 Thr Arg Lys Thr Val Thr Ser Gly Thr Leu Phe Lys Cys Leu Leu Phe  
           20                  25                  30  
  
 Leu Gln His Arg Leu Gly Lys Ser Cys Gln Asp Glu Lys Glu Ser Trp  
   35                  40                  45  
  
 Arg Phe Phe Lys Ser Leu Phe Ala Leu Leu Tyr Phe Gln Val Pro Lys  
   50                  55                  60  
  
 Leu Gly Leu Phe Phe Phe Ser Phe Asn Leu Glu Gly Leu Pro Leu Gly  
   65                  70                  75                  80  
  
 Gly Ile Gly Trp Gly Gln Ala Lys Ala Pro Leu Gly Thr Ser Pro Arg  
           85                  90                  95

7075

Lys Met Xaa Leu Lys Gly Val Pro Phe Phe Pro Lys Gly Gly Ser Phe  
                   100                  105                  110

Pro Leu Gly Gly Ser Gln Gly Xaa Xaa Xaa Arg Gly Pro Tyr Phe Pro  
                   115                  120                  125

&lt;210&gt; 7943

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7943

Ser Thr Xaa Lys Xaa Gly His Ser Val Glu Lys Ile Gly His Ser Cys  
       1                  5                  10                  15

## 7076

Thr His Xaa His Xaa His Phe Asp His Val Val Leu Asn Lys Ser Thr  
                   20                  25                  30

Asp His Asn Glu Thr Leu Arg Xaa Ser Xaa Arg Leu Pro Leu  
                   35                  40                  45

<210> 7944

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7944

Ile Gly Lys Pro Leu His Thr Cys Val Pro Val Glu His Phe His His  
   1                  5                  10                  15

Leu Gln Phe Phe Leu Asn Ile Ser Thr Val Leu Asn Thr Cys Glu Gln  
                   20                  25                  30

Val Thr Trp Glu Phe Xaa His Gly Arg Val Ser Ser Lys Glu Glu Ser  
                   35                  40                  45

Ser Arg Ser Ser Trp Val Thr His Tyr Gln Leu  
                   50                  55

<210> 7945

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

7077

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7945

Ala	Leu	Xaa	Asp	Pro	Ser	Leu	Arg	Thr	Ile	Val	Xaa	Tyr	Trp	Tyr	Ile
1				5					10					15	

Trp	Phe	Tyr	Met	Arg	Thr	Leu	Asn	Xaa	Tyr	Tyr	Xaa	Ala	Ser	Lys	Ile
			20					25					30		

Tyr Lys

&lt;210&gt; 7946

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7946

Gln	Cys	Gly	Gly	Lys	Glu	Val	Arg	Pro	Gly	Met	Glu	Lys	Gly	Gly	Val
1				5					10					15	

Ser	Glu	Ile	Ser	Gly	Gly	Cys	Arg	Gly	Pro	Ala	Met	Leu	Lys	Val
			20					25					30	

&lt;210&gt; 7947

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

## 7078

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7947

Xaa	Xaa	Lys	Xaa	Leu	Xaa	Arg	Thr	Gly	Ile	Ile	Lys	Thr	Val	Thr	Glu
1				5					10					15	

Pro	Leu	Tyr	Glu	Val	Lys	Arg	Asn	Met	Ile	Thr
			20					25		

<210> 7948

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7948

Ser	Xaa	Tyr	Trp	Ile	Leu	Phe	Gly	Met	Ser	Ile	Lys	Val	Tyr	Xaa	Tyr
1				5					10					15	

Val	Xaa	Thr	Asp	Leu	Arg	Lys	Lys
			20				

<210> 7949

<211> 34

<212> PRT

<213> Homo sapiens

<220>



## 7079

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7949

Tyr	Gln	Glu	Asp	Val	Met	Ile	Asn	Xaa	Pro	Ile	Pro	Met	Pro	Cys	Asp
1				5				10					15		

Tyr	Ser	Thr	Met	Thr	Asp	Tyr	Ala	Leu	Leu	Met	Xaa	Xaa	Ala	Xaa	Ser
			20					25					30		

Leu Trp

&lt;210&gt; 7950

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7950

Asn	Leu	His	Arg	Asn	Val	Cys	Lys	Ile	Cys	Ile	Cys	Ile	Ile	Leu	Ala
1				5				10					15		

Ser	Ile	Cys	Tyr	Pro	Pro	Ser	Cys	Thr	Gln	Lys	Ser	Phe	Pro	Pro	Tyr
			20					25					30		

Val	Ile	Ser	Asn	Xaa	Gln	Val	Gln	Ile	Lys	Ser	Ser	Cys	Lys	Leu	Trp
			35				40					45			

7080

Phe Ser Phe Ser  
50

<210> 7951  
<211> 17  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7951  
Gly Glu Arg Phe Cys Leu Tyr Phe Xaa Xaa Ser Ser Xaa Ser Gly Xaa  
1 5 10 15

Ile

<210> 7952  
<211> 20  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

## 7081

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7952

Xaa	Cys	Arg	Glu	His	Ile	Cys	Ile	Asn	Ile	Gly	Gln	Leu	Xaa	Phe	Xaa
1				5				10					15		

Trp	Arg	His	Ile
			20

&lt;210&gt; 7953

&lt;211&gt; 86

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7953

Ala	Glu	Leu	Ala	Leu	Ser	Phe	Phe	Cys	Ile	Arg	Leu	Ile	Tyr	Phe	Cys
1				5				10					15		

Ser	Gln	Met	Trp	Ala	Asp	Ser	His	His	Ser	Gly	Leu	Pro	Ser	Pro	Ala
			20					25					30		

Val	Arg	Arg	Ser	Gly	Arg	Gln	Ser	Arg	Ser	Pro	Phe	Cys	Arg	Ile	Pro
			35				40					45			

Ile	Asn	Ile	Ile	Glu	Asp	Gly	Cys	Ile	Phe	Lys	Ala	Lys	Ile	Asp	Cys
	50					55				60					

Gly	Tyr	Arg	Ser	Tyr	Gly	Val	Ile	Tyr	His	Gly	Glu	Tyr	Tyr	Leu	Asp
65					70				75					80	

Leu	Gly	Cys	Thr	Arg	Leu
					85

&lt;210&gt; 7954

&lt;211&gt; 71

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

7082

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7954

Gly	Xaa	Ser	Lys	Gly	Arg	Ala	Ser	Ser	Ser	Gly	Asn	Gln	Glu	Ser	Ser
1				5					10					15	

Gly	Gln	Ser	Cys	Ile	Ile	Leu	Leu	Phe	Asp	Val	Ile	Lys	Ser	Ala	Ile
			20					25						30	

Arg	Tyr	Glu	Lys	Thr	Ile	Ser	Glu	Ala	Trp	Ile	Lys	Ala	Ile	Glu	Asn
			35				40					45			

Thr	Ala	Ser	Val	Ser	Glu	His	Lys	Val	Cys	Ile	Xaa	Phe	Ile	Xaa	Ile
			50				55				60				

Phe	Asn	Asp	Cys	Ile	Leu	Val
65					70	

<210> 7955

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

7083

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7955

Asp	Asp	Ile	Ala	Gly	Val	Asp	Lys	Thr	Ala	Cys	Xaa	Arg	Gln	Glu	Asp
1				5				10					15		

Gly	Glu	Lys	Lys	Phe	Ser	Lys	Ala	Gly	Met	Gly	Lys	Cys	Xaa	Pro	Gly
		20					25					30			

Leu	Asn	Xaa	Lys	Gly	Leu	Tyr	Gln	Pro	Gln	Xaa	Arg	Xaa	Trp	Thr	Leu
	35					40					45				

Cys

&lt;210&gt; 7956

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7956

Phe	Asp	Ser	Arg	Val	Glu	Pro	Val	His	Ala	Val	Phe	Ile	Phe	Tyr	Leu
1				5				10					15		

Arg	Ile	Val	Glu	Tyr	Val	Thr	Asn	Val	Ser	Ser	Ala	Arg	Leu	Ala	Ser
		20				25						30			

Arg	Leu	Pro	Val	Glu	Xaa	Gln	Ile	Xaa	Gly	Met	Asn	Val	Asn
	35					40					45		

7084

&lt;210&gt; 7957

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7957

Ser	Cys	Arg	Ile	Arg	His	Glu	Gly	Ser	Glu	Ala	Pro	Ala	Ser	Gly	Cys
1				5				10						15	

Asn	Gly	Ala	Leu	Xaa	Asn	Asn	Gln	Arg	Glu	Ala	Xaa	Ala	Asn	Xaa
			20				25						30	

&lt;210&gt; 7958

&lt;211&gt; 127

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (86)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (116)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

7085

&lt;222&gt; (117)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (122)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7958

Gly	Asn	Ser	Glu	Tyr	Leu	Gln	Leu	Ala	Ser	Val	Thr	Asp	Ser	Thr	Gln
1					5				10					15	

Val	Asn	Val	Pro	Arg	Cys	Leu	His	Phe	Ser	Gly	Val	Gly	Lys	Val	Arg
			20					25					30		

Gln	Ala	Ala	Cys	Gly	Gly	Thr	Gly	Cys	Ala	Val	Leu	Asn	Gly	Xaa	Gly
		35					40						45		

His	Val	Phe	Val	Trp	Gly	Tyr	Gly	Ile	Leu	Gly	Lys	Gly	Pro	Asn	Leu
	50					55					60				

Val	Glu	Ser	Ala	Val	Pro	Glu	Met	Ile	Pro	Pro	Thr	Leu	Phe	Gly	Leu
65					70					75					80

Thr	Glu	Phe	Asn	Pro	Xaa	Ile	Gln	Val	Ser	Arg	Ile	Arg	Cys	Gly	Leu
				85					90					95	

Ser	His	Phe	Ala	Ala	Leu	Thr	Asn	Lys	Gly	Glu	Leu	Phe	Val	Trp	Gly
			100					105					110		

Lys	Asn	Ile	Xaa	Xaa	Val	Pro	Gly	Asn	Xaa	Phe	Ala	Leu	Lys	Asp	
		115					120					125			

&lt;210&gt; 7959

&lt;211&gt; 133

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (112)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7086

<221> SITE  
 <222> (113)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (114)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (123)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (129)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7959  
 Ala Thr Ser Gln Pro Arg Arg Arg Pro Lys Arg Gly Ala Arg His Gln  
   1                  5                 10                 15  
  
 Ser Pro Arg Cys Leu Ser Pro Gly Gly Ala Pro Glu Arg Phe Leu Ser  
                  20                 25                 30  
  
 Gln Gln Ser His Ser Ala Cys Ala Cys Leu Ser Val Ser Pro Thr Leu  
          35                 40                 45  
  
 Arg Trp Lys Lys Asn Phe Pro Arg Ala Gly Arg Thr Ala Ala Pro Pro  
   50                 55                 60  
  
 Leu Ser Asp Ser Gly Ser Phe Gly Cys Ser Xaa Leu Cys Ala Pro Phe  
   65                 70                 75                 80  
  
 Gln Arg Ile Ile Glu Ile Val Asn Phe Asn Asn Pro Glu Gln Ala Asn  
                  85                 90                 95  
  
 Glu Ala Leu Leu Ser Arg Pro Glu Leu Lys Leu Pro Arg Ser Val Xaa  
          100                 105                 110  
  
 Xaa Xaa Glu Arg Cys Leu Leu Gly Leu Gln Xaa Ser Glu Leu Cys Pro  
   115                 120                 125  
  
 Xaa Gly Ser Glu Gly  
   130  
  
  
 <210> 7960  
 <211> 58



7087

<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (48)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (56)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7960  
Val Thr Met Ala Xaa Ala Asn Gly Ala Arg Gly Lys Thr Gly Xaa Arg  
1 5 10 15

7088

Thr Gly Asn Pro Pro Xaa Leu Pro Xaa Pro Ile Leu Asn Leu Glu Val  
20 25 30

Lys Phe Thr Xaa Ile Phe Ile Ile Asn Gly Xaa Ala Arg Xaa Pro Xaa  
35 40 45

Leu Gly Lys Lys Phe Ala Thr Xaa Asn Pro  
50 55

<210> 7961

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

o

7089

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (132)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (135)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (138)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7961

Pro	Asp	Pro	Glu	His	Arg	Pro	Asp	Ile	Phe	Gln	Val	Ser	Tyr	Phe	Ala
1				5					10					15	

Phe	Lys	Phe	Ala	Lys	Lys	Asp	Cys	Pro	Val	Ser	Asn	Ile	Asn	Asn	Ser
			20					25					30		

Ser	Ile	Pro	Ser	Ala	Leu	Pro	Glu	Pro	Met	Thr	Ala	Ser	Glu	Ala	Xaa
		35					40					45			

Ala	Arg	Lys	Ser	Gln	Ile	Lys	Ala	Arg	Ile	Thr	Asp	Thr	Ile	Gly	Pro
	50					55					60				

Thr	Glu	Thr	Ser	Ile	Ala	Pro	Arg	Gln	Xaa	Pro	Lys	Ala	Asn	Ser	Ala
65					70					75					80

Thr	Thr	Ala	Thr	Pro	Xaa	Val	Leu	Thr	Ile	Gln	Ser	Ser	Ala	Thr	Pro
				85					90					95	

Val	Lys	Xaa	Leu	Ala	Pro	Xaa	Glu	Phe	Xaa	Asn	His	Arg	Pro	Lys	Gly
		100						105					110		

Ala	Leu	Arg	Pro	Gly	Asn	Gly	Pro	Glu	Ile	Leu	Leu	Gly	Gln	Gly	Pro
		115					120					125			

Pro	Gln	Xaa	Xaa	Ala	Gln	Xaa	His	Arg	Xaa	Leu	Gln
	130					135					140

&lt;210&gt; 7962

&lt;211&gt; 55

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 7090

<220>  
 <221> SITE  
 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (17)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (37)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (48)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (51)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (52)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7962

Xaa Gly Arg Ala Phe Pro Arg Glu Gly Arg Xaa Xaa Ser His Ala Tyr  
 1 5 10 15

Xaa Arg Ser Phe Cys Xaa Gly Arg Thr Asp Val Pro Gly Ser Ser Pro  
 20 25 30

## 7091

Cys Arg Asn His Xaa Ala Leu Arg Thr Pro Phe Thr Val Tyr Leu Xaa  
                   35                                  40                                  45

Tyr Ile Xaa Xaa Cys Lys Thr  
          50                                  55

<210> 7963

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7963

Arg Gly Glu Thr Arg Glu Met Ala Gly Asn Leu Leu Ser Gly Ala Gly  
   1                                  5                                  10                                  15

Arg Arg Leu Trp Asp Trp Val Pro Leu Ala Cys Arg Ser Phe Ser Leu  
                   20                                  25                                  30

Gly Val Pro Arg Leu Ile Gly Ile Arg Leu Thr Leu Pro Pro Pro Lys  
          35                                  40                                  45

Val Val Asp Arg Trp Asn Glu Lys Arg Ala Met Phe Xaa Xaa Tyr Asp  
   50                                  55                                  60

Asn Ile Gly Ile Leu Gly Asn Phe Glu Lys His Pro Lys Glu Leu Ile  
   65                                  70                                  75                                  80

Arg Gly Pro Ile Trp Leu Arg Gly Trp Lys Gly Asn Glu Leu Gln Arg  
                   85                                  90                                  95

Cys Ile Pro Lys Arg Lys Met Xaa Gly Lys  
          100                                  105

7092

&lt;210&gt; 7964

&lt;211&gt; 79

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (70)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (79)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7964

Phe	Leu	Ser	Phe	Gln	Gly	Cys	Pro	Val	Gln	Leu	His	Lys	Thr	Ser	Cys
1				5					10					15	

Ile	Leu	Gly	Ile	Ser	Tyr	Leu	His	Leu	His	Tyr	Tyr	Leu	Pro	Met	Cys
			20					25					30		

Cys	Leu	Xaa	Lys	Trp	Val	Tyr	Ser	Ala	Thr	His	Leu	Val	Ser	Pro	Gln
		35						40					45		

Cys	Ser	Thr	Gln	Cys	Val	Ser	Leu	Ile	Lys	Leu	Ala	Leu	Leu	Pro	Cys
	50					55					60				

Gln	Tyr	Tyr	Ile	Gln	Xaa	Xaa	Trp	Ser	Leu	Ala	Xaa	Trp	Gln	Xaa	
65						70						75			

&lt;210&gt; 7965

## 7093

<211> 126  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (67)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (71)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (75)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (76)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (78)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (85)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (89)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

## 7094

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)



## 7095

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7965

Ser	Lys	Cys	Lys	His	His	Arg	Asp	Pro	Phe	Tyr	Thr	Glu	Gln	Asp	Cys
1				5					10					15	

Thr	Ala	Ser	Cys	Ala	Thr	Pro	Ser	Phe	Ser	Ile	Ser	Thr	Pro	Ser	Ser
			20					25					30		

Asn	Ser	Lys	Ser	Arg	Thr	Thr	Asp	Arg	Cys	Leu	Phe	Leu	Phe	Gly	Asp
		35					40					45			

Met	Gly	Xaa	Xaa	Ile	Phe	Cys	Ser	Ile	Leu	Cys	Phe	Ser	Pro	Ile	Pro
	50					55					60				

Leu	His	Xaa	Val	Gly	Val	Xaa	His	Ser	Ile	Xaa	Xaa	Trp	Xaa	Gly	Phe
65					70					75					80

Arg	Asp	Trp	Val	Xaa	Pro	Lys	Asn	Xaa	Xaa	Gly	Xaa	Xaa	Phe	Xaa	Lys
				85					90					95	

Lys	Lys	Lys	Lys	Phe	Xaa	Gly	Gly	Gly	Pro	Xaa	Xaa	Xaa	Trp	Ala	Xaa
			100					105					110		

Xaa	Gly	Gly	Xaa	Xaa	Ala	Xaa	Xaa	Gly	Gly	Gly	Gly	Gly	Cys
	115						120					125	

<210> 7966

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

## 7096

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (80)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (112)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7966

Trp Gly Trp Arg Thr His Leu Asn Met Trp Asn Pro Asn Ala Gly Gln  
 1 5 10 15

Pro Gly Pro Asn Pro Tyr Pro Pro Asn Ile Gly Cys Pro Gly Gly Ser  
 20 25 30

Asn Pro Ala His Pro Pro Pro Ile Asn Pro Pro Phe Pro Pro Gly Pro  
 35 40 45

Cys Pro Pro Pro Pro Gly Ala Pro His Gly Asn Pro Ala Phe Pro Pro  
 50 55 60

Xaa Gly Ala Pro His Pro Val His Ser Gln Gly Ile Gln Asp Ala Xaa  
 65 70 75 80

Arg Trp Val Leu Pro Ser Pro Tyr Gln Arg Cys Pro Gly Ile Leu Cys  
 85 90 95

Glu Ser Leu Val Trp His Val Asp His Met Ile Val Asp Lys Arg Xaa  
 100 105 110

Glu Lys Met Lys Lys Ser  
 115

&lt;210&gt; 7967

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7097

<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7967  
Xaa Arg Thr Arg Gly Leu Gly Glu Thr Ala Ala Xaa Ala Gly Arg Gly  
1 5 10 15  
Thr Ala Ile Phe Ala Gly Xaa Xaa Pro Pro Ala Asp Xaa Lys Lys Cys  
20 25 30  
Ala Gly Ser Arg Arg Ala Xaa Gly Leu Ala Leu Gly Leu  
35 40 45

<210> 7968  
<211> 58  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

## 7098

&lt;400&gt; 7968

Pro Leu Tyr Leu Leu His Asn Glu Leu Thr Arg Asn Asn Phe Ala Arg  
 1 5 10 15

Arg Ala Lys Ala Lys Thr Pro Glu Thr Arg Arg Ala Thr Xaa Glu Gln  
 20 25 30

Leu Lys Glu His Thr Arg Leu Cys Cys Lys Ile Val Gly Lys Ile Tyr  
 35 40 45

Arg Leu Xaa Arg Gln Thr Tyr Arg Ala Trp  
 50 55

&lt;210&gt; 7969

&lt;211&gt; 61

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7969

Asp Pro Arg Asn Gln Thr Ser Tyr Leu Arg Thr Ala Xaa Arg Ala His  
 1 5 10 15

Pro Ser Met Leu Gln Asn Met Gly Lys Ile Tyr Arg Leu Arg Arg Thr  
 20 25 30

Asn Leu Pro Ser Leu Val Ile Leu Val Val Pro Arg Xaa Asn Leu Ile  
 35 40 45

Ser Thr Phe Asn Leu Pro Xaa Asn Pro Leu Ile Pro Cys  
 50 55 60

&lt;210&gt; 7970

## 7099

<211> 30  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (28)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7970  
 Asn Leu Lys Leu Thr Leu Asn Leu Pro Gln Asn Pro Ser Lys Ser Leu  
           1                  5                  10                  15  
 Gly Asn Leu Thr Gly Ser Pro Lys Arg Asn Ser Xaa Trp Thr  
                   20                  25                  30

<210> 7971  
 <211> 121  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (9)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (71)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (75)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (107)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (110)

## 7100

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7971

Asp	Ile	Lys	Leu	Ile	Asp	Thr	Val	Xaa	Pro	Arg	Val	Phe	Phe	Phe	Phe
1				5					10					15	

Phe	Ser	Phe	Phe	Xaa	Phe	Phe	Phe	Glu	Met	Glu	Ser	His	Ser	Val	Ala
			20					25					30		

Gln	Ala	Gly	Tyr	Leu	Arg	Thr	Cys	Asn	Pro	Met	Ser	Arg	Asn	Val	Gly
		35					40					45			

Thr	Pro	Phe	Met	Ala	Val	Asn	Leu	Pro	Val	Leu	Arg	Ser	Leu	Tyr	Lys
	50					55					60				

Ser	Leu	Asn	Pro	Lys	Gly	Xaa	Asn	Pro	Ile	Xaa	Pro	Leu	Val	Ser	Phe
65					70					75					80

Ser	Val	Ala	Phe	Ala	His	Trp	Leu	Trp	Lys	Gln	Gly	Ser	Phe	Phe	Leu
				85					90					95	

Leu	Gly	Tyr	Leu	Trp	Ile	Trp	Gly	Ser	Val	Xaa	Cys	Ala	Xaa	Xaa	Gly
			100				105							110	

Asn	Xaa	Phe	Gln	Ala	Trp	Xaa	Arg	His
		115					120	

<210> 7972

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

## 7101

<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>  
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<220>  
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<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>  
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<220>  
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## 7102

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids



## 7103

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (162)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7972

Xaa Ser Pro Gly Gly Ala Xaa Gly Gly Lys Ile Asn Arg Pro Arg Thr  
 1 5 10 15

Val Thr Val Trp Gly Pro Arg Thr Phe Phe Pro Gln Ala Phe Leu Ser  
 20 25 30

Pro Xaa Ile Ser His Glu Met Gly Xaa Val Lys Gly Pro Gly Leu Pro  
 35 40 45

Gly Gly Gly Ala Pro Xaa Ala Ala Ser Pro Leu His Leu Asn Ser Xaa  
 50 55 60

Leu Xaa Pro Arg Gln Glu Leu Lys Lys Lys Leu Phe Lys Arg Arg Arg  
 65 70 75 80

Val Leu Asn Arg Glu Arg Arg Leu Arg His Arg Val Val Gly Ala Val  
 85 90 95

Ile Asp Gln Gly Leu Ile Gln Xaa Ala Pro Xaa Gln Glu Ala Gly Val  
 100 105 110

Pro Leu Gln Val Ala Lys Xaa Asn Ile Xaa Lys Glu Glu Xaa Xaa Lys  
 115 120 125

Ile Leu Pro Ala Ile Pro Xaa Xaa Pro Glu Xaa Glu Gly Ser Leu Gly  
 130 135 140

Ile Gly Ser Pro Phe Lys Ala Xaa Gln Xaa Xaa Xaa Gln Xaa Lys Arg  
 145 150 155 160

Lys Xaa Gly Lys Ala Pro Ser  
 165

&lt;210&gt; 7973

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7104

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7973  
Val Ser Ser Asp Glu Arg Xaa Val Asn Xaa Asn Glu Thr Cys Xaa Xaa  
1 5 10 15  
Xaa Lys Leu Ser Gln Val Arg Gln Ser Tyr Pro Ile Phe Leu Xaa Val  
20 25 30  
Val Arg Leu Xaa Gly Asn Ser His Cys His Ile Ile Phe Lys Gly Ile  
35 40 45

<210> 7974  
<211> 85  
<212> PRT  
<213> Homo sapiens

## 7105

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7974

Glu Pro His Arg Val Arg Arg Met Cys Ile His Trp Asp Ala Ser Gly  
 1 5 10 15

Arg Asp Val Glu Ser His Lys Arg Gln Gly Gly Leu Gln His Arg Glu  
 20 25 30

Trp Pro Ser Ser His Gly Val Thr Gly Leu Cys Ala Gly Val Val Trp  
 35 40 45

Pro Gly Ile Val Ser Gly Ser Ser Asp Gly Met Lys Arg Ala Ala Pro  
 50 55 60

Arg Leu Glu His Met Glu Gly Asp Glu Cys Xaa Ala Glu Ala Glu Gly  
 65 70 75 80

Gly Ala Ala Glu Ser  
 85

&lt;210&gt; 7975

&lt;211&gt; 106

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (93)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (94)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (95)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7975

Glu Val Ser Glu Ser Arg Asn Leu Glu Lys Lys Asp Val Glu Thr Thr  
 1 5 10 15

Ser Ser Val Ser Val Lys Arg Lys Arg Arg Leu Glu Asp Ala Phe Ile

## 7106

	20		25		30	
Val	Ile	Ser	Asp	Ser	Asp	Gly
	35					40
Glu	Glu	Pro	Lys	Glu	Glu	Asn
						45
Gln	Lys	Thr	Lys	Thr	Lys	Gln
	50					55
Ser	Asn	Arg	Ala	Lys	Cys	Leu
						60
Arg	Lys	Ile	Ala	Gln	Met	Thr
	65					70
Glu	Glu	Glu	Gln	Phe	Ala	Leu
						75
Ala	Leu	Ala	Leu			80
Lys	Met	Ser	Glu	Gln	Glu	Ala
						85
Arg	Glu	Val	Asn	Ser	Xaa	Xaa
						90
Xaa	Xaa	Xaa	Glu			95
Glu	Glu	Glu	Leu	Leu	Arg	Lys
						100
Ala	Ile	Ala				105

&lt;210&gt; 7976

&lt;211&gt; 78

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7107

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (66)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (67)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (73)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7976

Gly	Thr	Lys	Val	Gly	Thr	Ser	Pro	Xaa	Val	Leu	Ala	Xaa	Leu	Glu	Leu
1				5					10					15	

Val	Asp	Pro	Pro	Gly	Xaa	Arg	Asn	Ser	Ala	Arg	Asp	Xaa	Glu	Gln	Leu
			20					25					30		

His	Asp	Cys	Leu	Gln	Val	Ala	Thr	Ala	Trp	Met	Gln	Xaa	Ala	Gly	Glu
		35						40				45			

Asp	Arg	Arg	Leu	Gly	Gly	Ser	Pro	His	Arg	Gly	Gln	Gly	Ala	Xaa	Gly
	50					55					60				

Gln	Xaa	Xaa	Xaa	Pro	Arg	Thr	Trp	Xaa	Pro	Tyr	Phe	Pro	Val
65					70					75			

&lt;210&gt; 7977

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7108

<220>  
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 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (17)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (22)  
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<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (55)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (62)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (63)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 7977  
 Ile Arg Xaa Pro Xaa Ser Ser Val Gln Val Gly Gly Trp Leu Val Val  
     1                    5                    10                    15  
 Xaa Ser Glu Ala Glu Xaa Ala Gly Thr Arg Gly Ser Gly Pro Arg Glu  
                     20                    25                    30  
 Leu Ser Xaa Xaa Ser Pro Pro Tyr Leu Leu Pro Val Thr Val Arg Ile  
             35                    40                    45  
 Met Ala Leu Leu Thr Leu Xaa Thr Trp Ala Ser Ser Thr Xaa Xaa

## 7109

50

55

60

&lt;210&gt; 7978

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7978

Xaa	Cys	Arg	Ile	Trp	Ile	Gly	Leu	Ile	Pro	Asn	Ser	Ala	Cys	Leu	Leu
1				5					10					15	

Xaa	Asn	Leu	Xaa	Met	Val	Lys	His	Leu	His	Xaa	Met	His	Lys	Met	Tyr
		20						25					30		

Gly	Tyr	Asn	Asn	Val	Tyr	Met	Asp	Met	Ile	Tyr	Phe	Ile	Ser	Leu	Leu
		35						40					45		

&lt;210&gt; 7979

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7979

Leu	Ala	Ala	Leu	Arg	Ser	Ser	Leu	Leu	Arg	Val	Tyr	Phe	Asn	Leu	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

## 7110

1	5	10	15
Phe Lys Ala Val Val Thr Ala Pro Pro Lys Val Leu Lys Ala Ile Phe	20	25	30
Gly Ala Tyr Cys Thr Val Val Leu Leu Leu Gln Ile Phe Ser Tyr Gly	35	40	45
Arg Met Val Phe Ser Ser Cys Lys Ser Leu Glu Leu Ile Leu Arg	50	55	60

&lt;210&gt; 7980

&lt;211&gt; 78

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)



## 7111

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7980

Met	Thr	Phe	Pro	Ser	Asn	Ser	Glu	Val	Ile	Phe	Leu	Lys	Glu	Xaa	Leu
1				5					10					15	

Val	Asn	Xaa	Xaa	Ala	Gly	Phe	Phe	His	Thr	Asn	Xaa	Pro	Xaa	Pro	Gly
				20				25					30		

Lys	Lys	Lys	Pro	Lys	Pro	Pro	Leu	Xaa	Lys	Lys	Pro	Xaa	Leu	Phe	Leu
			35				40					45			

Gly	Glu	Lys	Ile	Pro	Pro	Lys	Gly	Gly	Lys	Lys	Xaa	Pro	Phe	Asn	Gln
	50					55					60				

Asn	Trp	Ala	Pro	Xaa	Gly	Xaa	Gly	Gly	Gly	Gly	Asn	Xaa	Leu
65					70					75			

<210> 7981

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 7112

<221> SITE  
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<220>  
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<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7981  
Pro Lys Asn Val Ser Tyr Asn Val Ser Leu Lys Asn Lys Gln Lys Arg  
1 5 10 15  
Xaa Leu Pro Lys Thr Lys Ile Xaa Gln Met Ile Phe Xaa Gly Xaa Leu  
20 25 30  
Gly Phe Xaa Phe Ser Val Leu Ile Gly Ser Thr Ala Leu Xaa Thr Gly  
35 40 45  
Ile Leu  
50

<210> 7982  
<211> 62  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

## 7113

<222> (16)  
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 <222> (28)  
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 <222> (44)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
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 <222> (53)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (57)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 7982  
 Ile Ser Leu Ile Asn Leu Leu Glu Xaa Ile Gly Leu Lys Lys Lys Xaa  
   1                  5                  10                  15  
  
 Val Asn Gly Lys Asn Leu Lys Lys Tyr Phe Xaa Xaa Xaa Gln Leu Phe  
                   20                  25                  30  
  
 Tyr Tyr Xaa Glu Tyr Pro Thr Gly Phe Phe Lys Xaa Val Ala Pro Pro  
           35                  40                  45  
  
 Phe Phe Pro Leu Xaa Pro Leu Gly Xaa Val Lys Lys Phe Pro  
   50                  55                  60

7114

&lt;210&gt; 7983

&lt;211&gt; 103

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (66)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (67)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7983

Gly Asn Asp Leu Pro Ile Pro Leu Pro Cys Tyr Ser Xaa Thr Pro Cys  
1 5 10 15

Val Ser Leu Ala Ser Gly Gly Xaa Met Phe Glu Glu Lys Glu Leu Cys  
20 25 30

Gln Glu Ser Gly Asp Arg Val Tyr Gly Xaa Gly Phe Leu Leu Gly Met  
35 40 45

7115

Leu Phe Val Ala Phe Trp Ala Ser Xaa Met Glu Thr Xaa Thr Leu Glu  
           50                          55                          60  
 Pro Xaa Xaa Trp Asn Ser Pro Pro Asn Pro Pro Ile Phe Leu Lys Ile  
           65                          70                          75                          80  
 Tyr Phe Pro Leu Leu Phe Leu Ala Phe Lys Thr Cys Tyr Ser Phe Phe  
                           85                          90                          95  
 Gly Lys Ile Leu Thr Asn Phe  
                           100

&lt;210&gt; 7984

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7984

Arg Thr Ala Val Lys Pro Arg Ile Leu Ala Arg Pro Ala Ile Ser Lys  
           1                          5                          10                          15

Ala Val Ser Arg Asn Trp Thr Arg Tyr Gln Met Met Gly Lys Gln Thr  
                           20                          25                          30

His Arg Pro Lys Asn Ile Glu Glu Arg Xaa Val Asp Ile Asn Arg Lys  
           35                          40                          45

Ala Lys Gly Ala Met Gln His Leu Leu Pro Ser Ser Trp Val Phe Pro  
           50                          55                          60

Pro

65

&lt;210&gt; 7985

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7985

Val Phe Phe Leu Val Tyr Lys Asn Gln Cys Leu Tyr Lys Cys Cys Ser  
           1                          5                          10                          15

## 7116

Gly Phe Gln Tyr Asn Arg Trp Leu Gly Phe Leu Glu Gln Arg Val Phe  
                   20                  25                  30

Gly Phe Leu Phe Phe Leu Gly  
                   35

<210> 7986

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7986

Glu Asn His Phe Ser Lys Cys Leu Lys Asn Tyr Phe Leu Asp Leu Phe  
       1                  5                  10                  15

Phe Phe Ser Phe Pro Asn Lys Leu Trp Leu His Thr Lys Thr Val Thr  
                   20                  25                  30

Glu Pro Tyr Glu Ser Arg Thr Xaa Leu Pro Arg Lys Thr Asn Tyr Xaa  
                   35                  40                  45

Xaa Phe Ser Pro Glu Xaa Lys Leu  
                   50                  55

<210> 7987

<211> 145

7117

<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (32)  
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<220>  
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<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (60)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (85)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (94)

## 7118

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7987

Arg	Xaa	Thr	Thr	Phe	Glu	Lys	Ser	Leu	Leu	Met	Gly	Xaa	Glu	Phe	Gln
1				5				10					15		

Arg	Arg	Ala	Xaa	Ala	Met	Met	Leu	Arg	Ala	Ala	Val	Leu	Arg	Asn	Xaa
		20					25					30			

Ile	His	Val	Lys	Ser	Pro	Pro	Xaa	Lys	Arg	Thr	Xaa	Gly	Asn	Leu	Leu
		35					40					45			

His	Gln	His	Xaa	Ser	Arg	Met	Asn	Thr	Asn	Met	Xaa	Arg	Val	Asn	Leu
	50					55					60				

Ala	Ser	Lys	Thr	Ser	Ala	Pro	Pro	Pro	His	Leu	His	Gly	Thr	Arg	Asn
65					70				75					80	

Ser	Arg	Arg	Ser	Xaa	Leu	Pro	Ala	Ala	Thr	Lys	Gly	Pro	Xaa	His	Gly
				85					90					95	

Xaa	Pro	Pro	Xaa	Leu	Phe	Ser	Ser	Leu	Gly	Leu	Lys	Lys	Gln	Xaa	Phe
			100					105					110		

Tyr	Phe	Cys	Leu	Pro	Gly	Lys	Lys	Ser	Ser	Xaa	Ser	Thr	Phe	Cys	Phe
		115						120				125			



7119

Phe Pro Gly Thr Xaa Val Ala Pro Ala Met Asp Ile Pro Asn Leu Phe  
130 135 140

Pro  
145

<210> 7988  
<211> 37  
<212> PRT  
<213> Homo sapiens

<400> 7988  
Leu Lys Ser Ile Phe Phe Ile Lys Leu Ile Leu Ile Val Phe Glu Ile  
1 5 10 15

Ile Ile Gln Phe Thr Tyr Gly Arg Gly Ile Ser Ile Leu Met Thr Ser  
20 25 30

Lys Asn Val Thr Asn  
35

<210> 7989  
<211> 33  
<212> PRT  
<213> Homo sapiens

<400> 7989  
Gln Asp Tyr Trp Lys Phe Val Ile Met Asn Glu Thr Phe Cys His Ile  
1 5 10 15

Arg Phe Ile Phe Thr Ser Tyr Thr Phe Asp Lys Val Arg His Gly Cys  
20 25 30

Gly

<210> 7990  
<211> 52  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (29)

## 7120

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7990

Ala Gly Ala Ala Ala Val Leu Pro Ile Thr Arg Gly Glu Ala Arg Pro  
1 5 10 15

Gly Glu Val Gln Ala Leu Ala Glu Val Thr Ala Ala Xaa Leu Glu Pro  
20 25 30

Arg Thr Leu Ser Ala Pro Lys His Ser Val Pro Tyr Leu Gln His Leu  
35 40 45

Ser Pro Ile Val  
50

<210> 7991

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7991

Gln Gly Glu Ser Thr Gly Asp Met Ser Leu Ile Arg Tyr Arg Val Cys  
1 5 10 15

Leu Gln Gly Val His Ser Leu Met Arg Asn Arg Asn Phe Ser Leu Val  
20 25 30

Pro Lys Thr Leu Lys Tyr Lys Val Leu Gln Xaa Val Pro Cys Ile Met  
35 40 45

## 7121

Phe Pro Ser Xaa Ile Thr Arg Asn Ser Met Glu Lys Lys Cys Xaa Met  
 50 55 60

Leu Thr Ile Asp Leu Xaa Ile Glu Ser Pro  
 65 70

<210> 7992

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7992

Pro Met Gly Ser Pro Ala Pro Gly Gly Thr Cys Cys Asn Xaa Asn Lys  
 1 5 10 15

Cys Gly Xaa Met Arg Asp Asp His Val Tyr Pro Pro  
 20 25

<210> 7993

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7993

Phe Glu Thr Ser Xaa Phe Pro Ser Lys Lys Met Lys Lys Phe Leu Asp  
 1 5 10 15

7122

Gly Pro Ile Pro Pro Pro Pro Pro Gln Xaa Ala Leu  
                   20                                  25

&lt;210&gt; 7994

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7994

Asn Pro Asn Ala Ser Arg Asn Arg Ser Gly Xaa Pro Gly Ser Thr His  
       1                  5                          10                          15

Ala Ser Asp Phe Xaa Val Phe Xaa Met Pro Ile Ser Thr Gly Gly Phe  
                   20                          25                          30

Leu Lys Ile Val Lys  
                   35

&lt;210&gt; 7995

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

## 7123

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7995

Ala	Gln	Ile	Gln	Pro	Ala	Pro	Ala	Ala	Pro	Gly	Thr	Glu	Glu	Leu	Thr
1				5					10					15	

Glu	Ala	Pro	Val	Gln	Gly	Leu	Leu	Leu	Pro	Leu	Leu	Phe	Pro	Ser	Val
			20					25					30		

Cys	Pro	Gly	Pro	Gly	Ala	Arg	His	Gly	Gly	Gly	Gly	Glu	Ala	Xaa	Xaa
		35					40					45			

Xaa	Gly	Xaa
	50	

<210> 7996

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

7124

&lt;400&gt; 7996

Leu Xaa Leu Thr Lys Leu Asn Xaa Ile Arg Gly Glu Xaa Ala Xaa Val  
1 5 10 15

Thr Ala Leu Gly Gln Gly Tyr Pro Gly Pro Gly Glu Ile Ser Arg Gly  
20 25 30

Ser Gly Pro Thr Arg Pro Pro Thr Arg Pro Gly Glu Glu His Phe Ala  
35 40 45

Tyr Val Leu Lys Val Cys Ile Gly Val Arg Gly Ala Leu Tyr Met Gly  
50 55 60

Thr Ser His Lys Thr Gly Asp Tyr Phe Leu Ile Ile Leu Asn Phe His  
65 70 75 80

Pro Glu

&lt;210&gt; 7997

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7997

Pro Asn Ala Gly Glu Pro Ile Arg Xaa Pro Gly His Pro Arg Xaa His  
1 5 10 15

## 7125

Lys Leu His Val Xaa Glu Ile Ser Xaa Gly Ala Leu Ile Lys Phe Ser  
                   20                  25                  30

Asp Pro Asn  
               35

<210> 7998

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7998

Xaa Asn Cys Leu Ile Thr Trp Cys Val Leu Arg Asn Leu Thr Ser Thr  
       1                  5                  10                  15

## 7126

Pro Val Asn Ser Leu Gln Leu Asn Ser Lys Asn Ser Xaa Ala Arg Lys  
                   20                  25                  30

Phe Ser Thr Phe Ser Ala His Glu Thr Phe Ala Pro Xaa Glu Ser Tyr  
                   35                  40                  45

Asp Tyr Leu Lys Thr Ser Gly Leu Ala Met Phe Ile Xaa Xaa Xaa Xaa  
           50                  55                  60

Arg Leu  
       65

&lt;210&gt; 7999

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 7999



## 7127

Phe Xaa Phe Thr Glu Leu His Leu Ile Arg Gly Lys Lys Gly Trp Val  
 1 5 10 15  
 Tyr Arg Pro Leu Ala Arg Xaa Tyr Pro Gly Ser Arg Xaa Ile Ser Arg  
 20 25 30  
 Gly Ser Glu Xaa His Val Xaa Leu Gly Lys Lys Lys Xaa  
 35 40 45

<210> 8000  
 <211> 83  
 <212> PRT  
 <213> Homo sapiens

<400> 8000  
 Gly Gly Asp Leu Gly Glu Ser Val Arg Lys Thr Glu Lys Gly Arg Thr  
 1 5 10 15  
 Gly Pro Pro Leu Pro Pro Ile Pro Gly Pro Gly Pro His Ser Leu Leu  
 20 25 30  
 Cys His Asn Gln Leu Arg Tyr Pro Arg Ser Asp Tyr Pro His Ser Leu  
 35 40 45  
 Phe Glu Gln Leu Phe Ile Glu Gln Leu Glu Tyr Val Ser Leu Cys Gln  
 50 55 60  
 Leu Leu Ala Arg Ser Arg Lys Tyr Gln Met Ser Glu Ile Ile Gly His  
 65 70 75 80  
 Tyr Pro Trp

<210> 8001  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (8)  
 <223> Xaa equals any of the naturally occurring L-amino acids

7128

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8001

Xaa	Arg	Arg	Gly	Gly	Lys	Lys	Xaa	Xaa	Gly	Arg	Ser	Gln	Val	Pro	Pro
1				5					10					15	

Xaa	Arg	Lys	Arg	Gly	Arg	Gly	Xaa	Pro	Gly	Ser	Thr	His	Ala	Ser	Xaa
			20					25					30		

Ser

&lt;210&gt; 8002

&lt;211&gt; 131

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (128)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8002

Val	Pro	Ser	Gly	Gly	Arg	Pro	Thr	His	Thr	Ser	Ala	Asp	Ser	Pro	Ala
1				5					10					15	

Arg	Gln	Lys	Arg	Pro	Pro	Ala	Gly	Pro	Ala	Ser	Arg	Ser	Arg	Gly	Cys
			20					25					30		

Leu	Gln	Gly	Gly	Gln	Ala	Gln	His	Pro	Gly	Val	Leu	Arg	Leu	Leu	Phe
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

## 7129

	35		40		45														
Ile	Ser	His	His	Arg	Gln	Ala	Arg	Arg	Val	Ala	Pro	Lys	Arg	Thr	Pro				
	50					55					60								
Gly	Arg	Ala	Ser	Pro	Ser	Pro	His	Gly	Asp	Pro	Pro	Pro	Ala	Lys	Gly				
	65					70				75					80				
Gly	Ala	Pro	Gly	Pro	Arg	Gln	Trp	Ser	Asp	His	Gln	Val	Arg	Gly	Ile				
					85				90					95					
Ser	Gln	Gly	Leu	Glu	Pro	Asp	Ser	Trp	Ser	Ser	Gly	Ser	Gly	Pro	Pro				
			100					105						110					
His	Ala	Gly	Cys	Lys	Ser	Thr	Gln	Glu	Thr	Trp	Lys	Ala	Ser	Leu	Xaa				
		115					120					125							
Pro	Asn	Leu																	
		130																	

&lt;210&gt; 8003

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8003

Gln	Xaa	Ala	Ile	Cys	Phe	Ile	Gly	Ile	Val	Phe	Ile	Gly	Lys	Asp	Glu
1				5					10					15	

Phe	Ile	Pro	Glu	Ser	Ile	Glu	Tyr	Leu	Leu	Gly	Tyr	Leu	Ile	Leu	Leu
			20					25					30		

Ile	Leu	Gly	Thr	Glu	Pro	Phe	Ala	Ala	His	Cys	Thr	Ser	Gly	Asn	Ser
		35					40					45			

&lt;210&gt; 8004

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 7130

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

## 7131

&lt;400&gt; 8004

Leu Xaa Xaa Phe Leu Leu Ala Xaa Leu His Trp Leu Val Pro Xaa Arg  
 1 5 10 15

Xaa Xaa Ile Glu Xaa Gly Ile Met Asp Xaa Leu Asp Leu Phe Pro Xaa  
 20 25 30

Ser Trp Gly Lys Leu Leu Ile Xaa Ile Ile Lys  
 35 40

&lt;210&gt; 8005

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8005

Ala Leu Gly Thr Ile Gln Xaa Ala Ile Xaa Trp Ser Asn Xaa Met Arg  
 1 5 10 15

Ile Lys Gly Asn Ala Cys Thr  
 20

&lt;210&gt; 8006

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8006

Trp Ile Tyr Gln Arg Ser Gln Ile His Phe Phe Gln Asn Leu Lys Thr  
 1 5 10 15

Lys Gly His His Glu Cys Thr Gln Lys Leu Gly Gln Val Tyr Tyr Ile

7132

20

25

30

Trp Asp Phe His Leu  
35

&lt;210&gt; 8007

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8007

Lys Thr Val Glu Cys Xaa Xaa Thr Ile Leu Pro Arg Phe Leu Xaa Xaa  
1 5 10 15

His Leu Lys Xaa  
20

&lt;210&gt; 8008

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 7133

<220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (10)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (17)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8008  
 Asp Thr Xaa Ser Lys His Xaa Lys Thr Xaa Asn Thr Thr Val Asn Lys  
           1                  5                  10                  15

Xaa

<210> 8009  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens

<400> 8009  
 Gly Leu Phe Trp Pro Phe Pro Arg Glu Cys Leu Pro Leu Tyr Leu Pro  
           1                  5                  10                  15

Gly Pro Ile Asp Lys Asp Val Leu Pro Cys Arg Arg Leu Ala Ser Ile  
                   20                  25                  30

Thr Ala Cys Pro Leu Leu Cys Pro Leu Gln Pro Pro Leu Thr Leu  
           35                  40                  45

<210> 8010  
 <211> 82  
 <212> PRT  
 <213> Homo sapiens

7134

&lt;400&gt; 8010

Gly Glu Ile Ser Ser Leu Asn Gly Asp Leu Lys Thr Leu Gly Leu His  
1 5 10 15

Tyr Val His Asn Gly Ser Ala Ser Phe Ile Met Gln Lys Ser Leu Pro  
20 25 30

Leu Leu Lys Ile Pro Val Ala Ala Ala Cys Arg Gly Leu Val Ala Ser  
35 40 45

Cys Leu Leu Gly Thr Glu Gln Glu Leu His Ser Pro Ala Trp Ser Lys  
50 55 60

Leu Trp Pro Arg Asp Arg Gly Pro Lys Ser Gln Pro Pro Ser Tyr Thr  
65 70 75 80

Gly Ala

&lt;210&gt; 8011

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8011

Ser Leu Ala Phe Pro Ser Leu Ser His Arg Thr Tyr Pro Ser Pro Arg  
1 5 10 15

Lys Cys Pro Ser Leu Ala Ser Ala Cys Pro Ser Glu Ser Ala Phe Phe  
20 25 30

Ala Leu Asn Ile Ser Thr Leu Tyr  
35 40

&lt;210&gt; 8012

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)



## 7135

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8012

Lys	Arg	Gly	Arg	Ser	Ser	Arg	Xaa	Xaa	Tyr	Thr	Asp	Xaa	Tyr	Xaa	Gly
1				5					10					15	

Asn	Asp	Trp	Ser	Xaa	Leu	Xaa	Val	Leu	Gly	Pro	Leu	Ile	Xaa	Gly	Ser
			20					25					30		

Thr

<210> 8013

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

## 7136

&lt;222&gt; (90)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (91)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (92)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8013

Arg	Val	Ser	Pro	Gly	Pro	Trp	Pro	Gly	Trp	Gly	Trp	Gly	His	Arg	Ser
1				5				10						15	

Ala	Gln	Ser	Arg	Arg	Arg	Pro	Gly	Phe	Leu	Gly	Ser	Val	Leu	Ser	Ser
			20					25					30		

Gln	Phe	Leu	Ala	Leu	Cys	Thr	Leu	Lys	Pro	Ser	Leu	Val	Val	Glu	Leu
		35					40					45			

Ala	Arg	Asp	Leu	Leu	Glu	Phe	Leu	Gly	Ser	Val	Asn	Gly	Leu	Cys	Ser
	50					55					60				

Arg	Ala	Ser	Leu	Val	Thr	Ser	Val	Val	Trp	Ala	Ile	Gly	Glu	Ser	Cys
65					70				75						80

Xaa	Asp	Leu	Arg	Ser	Gly	Gly	Ala	Pro	Xaa	Xaa	Xaa
				85				90			

&lt;210&gt; 8014

&lt;211&gt; 60

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8014

Gly	Ser	Ser	Tyr	Pro	Gly	Arg	Ser	Arg	Ala	Arg	Cys	Pro	Leu	Gln	Thr
1				5					10					15	

Ser	Ala	Val	Tyr	Gly	Cys	Glu	Tyr	Val	Ala	Val	Leu	Gly	Ser	Cys	Glu
			20					25					30		

Phe	Val	Ile	Leu	Asp	Val	Leu	His	Cys	Pro	Arg	Gly	Pro	Lys	Lys	Asp
		35				40					45				

Gly	Lys	Arg	Ser	Pro	Ser	Ala	Leu	Val	Leu	Asn	Met
	50					55				60	

7137

&lt;210&gt; 8015

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8015

Lys Ala Ser Cys Phe Pro Ile Pro Leu His Glu Gly Asn Asp Tyr Asn  
1 5 10 15

Ile Ser Tyr Val Tyr Phe Gln Ile Asn Phe Thr Tyr Leu Ile Ala Tyr  
20 25 30

Val Leu Lys Ile Phe Ser Thr Asn Arg Ile Ile Ile Leu Ile Leu Leu  
35 40 45

Ser Phe Ser Tyr Cys Ile Leu Leu Phe Leu Leu His Asp Phe Ser  
50 55 60

&lt;210&gt; 8016

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8016

Ala His Ala Ser Xaa His Ala Ser Glu Lys Lys Lys Xaa Gly Asn Phe  
1 5 10 15

&lt;210&gt; 8017

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

7138

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8017  
Gln Xaa Arg Lys Arg Thr Pro Glu Asp Arg Pro Glu Asn Pro Gly Arg  
1 5 10 15  
Pro Thr Arg Pro Phe Ser Xaa Asn Xaa Ser Thr Phe Asn Trp Xaa Gln  
20 25 30  
Arg Lys Xaa Lys Glu  
35

<210> 8018  
<211> 34  
<212> PRT  
<213> Homo sapiens

<400> 8018  
Glu Lys Asn Asp Ile Ile Ser Thr Tyr Tyr Ile Val Gly Ser Leu Tyr  
1 5 10 15  
Thr Lys Val Ile Val Met Arg Lys Asn Gly Leu Gly Ile Leu Phe Lys  
20 25 30  
Ile Asn

7139

&lt;210&gt; 8019

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (67)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8019

Phe	Arg	Phe	Cys	Leu	Cys	Gly	His	Phe	Lys	Thr	Cys	Val	Thr	Tyr	Ile
1				5					10					15	

Xaa	Thr	Phe	Ile	Leu	Leu	Tyr	Phe	Val	Ser	Pro	Pro	Thr	Xaa	Asn	Phe
			20					25					30		

7140

Phe Cys Phe Leu Lys Asn Asp Ser Leu Thr Pro Gln Gln Xaa Lys Val  
35 40 45  
Ile Xaa Tyr Thr Tyr Ile Ser Ile Phe Val Ile Xaa Lys Ser Asn Pro  
50 55 60  
Xaa Ser Xaa  
65

&lt;210&gt; 8020

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7141

<220>  
 <221> SITE  
 <222> (44)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (56)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (61)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8020  
 Val Glu Asn Xaa Thr Ile Gly Phe Xaa Trp Xaa Ala Xaa Arg Tyr Arg  
 1 5 10 15  
 Ser Gly Ile Pro Gly Ser Thr His Ala Phe Xaa His Ala Phe Xaa Glu  
 20 25 30  
 His Leu Leu Val Gln Ala Asp Xaa Pro Asn Thr Xaa Gly Lys Gly Gly  
 35 40 45  
 Asn Glu Arg Pro Gly Val Gln Xaa Ser Ile Leu Asn Xaa Leu Cys  
 50 55 60

<210> 8021  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (10)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8021

## 7142

Ala Ala Met Leu Pro Glu Ala Ser Phe Xaa Xaa Pro Xaa Arg Ala Thr  
1 5 10 15

<210> 8022

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8022

Phe Gly Met Pro Xaa Gly Thr Ser Ala Gly Thr Gly Pro Glu Phe Pro  
1 5 10 15

Gly Arg Pro Thr Arg  
20

<210> 8023

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids



7143

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8023

Ala	Phe	Asn	Glu	Ser	Arg	Ser	Ile	Glu	Glu	Asn	Lys	Xaa	Phe	Gln	Leu
1				5					10					15	

Met	Asp	Phe	His	Met	Glu	Val	Gly	Glu	Thr	Asn	Asn	Xaa	Ile	Xaa	Pro
			20					25					30		

His	Thr	Thr	Tyr	Lys	Ser	Asn	Trp	Arg	Cys	Xaa	Ile	His	Gln	Asn	Leu
		35					40					45			

Lys	Val	Lys	Asp	Ile	Lys	Xaa	Phe	Lys	Asp	Thr	Leu
	50					55					60

&lt;210&gt; 8024

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8024

Xaa	Arg	Gln	Ala	Leu	Ile	Arg	Leu	Thr	Ile	Trp	Lys	Xaa	Gly	Thr	Pro
1				5					10					15	

Ala	Gly	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Arg	Pro	Thr	Arg	Pro	Leu	Pro
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

7144

	20		25		30
Leu	Ser	Xaa	Asn	Ile	Asp
			Lys	Leu	Pro
				Gly	Xaa
				Lys	Glu
					Asn
					Ile
					Gly
	35		40		45
Leu	Ile	Val			
	50				

&lt;210&gt; 8025

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8025

Glu	Lys	Ile	Arg	Val	Phe	Lys	Ala	Gly	Pro	Arg	Gly	Arg	Ser	Arg	Gly
1				5				10					15		

Lys	Xaa	Trp	Xaa	Ala	Xaa
				20	

&lt;210&gt; 8026

&lt;211&gt; 115

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (106)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8026

Gly Val Gly Gly Arg Asp Pro Val Pro Asp Thr Gly Glu Glu Ile Pro

## 7145

1	5	10	15												
Ser	Leu	Val	Phe	Met	Leu	Pro	Val	Arg	His	Cys	Leu	Leu	Asp	Ile	Ile
		20						25					30		
Ile	Pro	Thr	Leu	Cys	Ser	Phe	Val	Ser	Gln	Ile	Gln	Tyr	Ile	Val	Lys
		35					40					45			
Ala	Ser	Trp	Ser	Phe	Phe	Asn	Ile	Ser	His	Leu	Cys	His	Ser	Leu	His
	50					55					60				
Ser	His	Lys	Pro	Gln	Gln	Leu	Leu	Lys	Val	Leu	Leu	Asp	Pro	Leu	Leu
65					70					75				80	
Pro	Val	Phe	Glu	Ile	Phe	Leu	Ala	Tyr	Asp	Cys	Leu	Ile	Thr	Phe	Leu
				85					90					95	
Lys	Ser	Ser	Ser	Leu	Ala	Tyr	Ser	Arg	Xaa	His	Arg	Gly	Leu	Leu	Trp
			100					105					110		
Cys	Ile	Arg													
		115													

&lt;210&gt; 8027

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8027

## 7146

Gly Pro Pro Gly Lys His Leu Gly Lys Xaa Pro Xaa Gly Pro Ser Arg  
1 5 10 15

Asp Arg Thr Gly Arg Pro Xaa Pro Thr His Val Phe Xaa Pro Phe Lys  
20 25 30

Thr Lys

<210> 8028

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8028

Ala Thr Lys Asn Xaa Ser Gly Thr Ser Lys Ala Arg His Lys Val Gln  
1 5 10 15

Ile Pro Ala Arg Arg His Gln Thr Glu Ala Asn Ser Cys Ala Ser Lys  
20 25 30

Pro Thr

<210> 8029

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

7147

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8029

Xaa	Phe	Pro	Val	Arg	Phe	Thr	Xaa	Pro	Thr	Arg	Gly	Ser	Pro	Arg	Glu
1				5				10					15		

Ser	Trp	Val	Arg	Xaa	Gly	Lys	Ala	Thr	Pro	Glu	Xaa	Glu	Ala	Gly	Ser
			20					25					30		

Pro	Arg	Xaa	Pro	Asp
			35	

&lt;210&gt; 8030

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8030

Asp	Arg	Tyr	Thr	Cys	Gln	Arg	Pro	Ser	Ala	Arg	Xaa	Phe	Arg	Xaa	Leu
1				5				10				15			

Pro	Phe	Leu	Ser	Arg	His	Val	Arg	Arg	Leu	Ser	Pro	Xaa	Ala	Leu	Asn
			20				25					30			

7148

Arg Gly Leu Pro  
35

&lt;210&gt; 8031

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8031

Tyr	Ile	Phe	Asn	Xaa	Asn	Thr	Ala	Pro	Leu	His	Thr	Leu	Xaa	Asn	Val
1				5					10					15	

Gly	Asp	Xaa	Ile	Ser	Glu	Leu	Gly	Lys	Asn	Leu	Lys	Lys	His	Ile	Arg
			20					25					30		

&lt;210&gt; 8032

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7149

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8032  
Pro Xaa Xaa Ala Thr Val Xaa Pro Gly Pro Val Arg Arg Arg Ser Arg  
1 5 10 15  
Ser Xaa Glu Arg Arg Ser Ala Pro Ala Gly Ala Xaa Gly Pro Ser Ala  
20 25 30  
Ser Val Leu Thr Xaa Pro Xaa Xaa  
35 40

<210> 8033  
<211> 69  
<212> PRT  
<213> Homo sapiens

<400> 8033  
Gly Ala Tyr Leu Ala Asn Ser Thr Leu Asn Leu Ser Ala Trp Lys Leu  
1 5 10 15

## 7150

Leu Met Gln Cys Pro Arg Trp Arg Lys Val Arg Val Asp Pro Glu Glu  
                   20                                  25                                  30

Pro Arg Glu Asp Val Gln His Gly Asp Leu Gly Ser Ser Gln Gly Pro  
           35                                  40                                  45

Tyr Phe Ser Asp Phe Trp Ser Glu Asn Thr Ser Ser Gly Lys Ser Pro  
       50                                  55                                  60

Leu Thr His Pro Gly  
       65

<210> 8034

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids.

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8034

Xaa Xaa Xaa Lys Ser Ile Met Lys Gln Gln Lys Ser Thr Pro Leu Leu  
       1                                  5                                  10                                  15

Gly Leu Asp Asn Glu His Gly Ile Ser Pro Lys Leu Val Ala Trp Asn  
           20                                  25                                  30



## 7151

Gly Ser Ile Phe Ala Cys Val Ile Leu Xaa Ser Tyr Ser Gln Lys Glu  
                   35                                  40                                  45

Ile Phe Arg Asn Ser Val Phe His Leu Ala Gly Xaa Ala Val Ile Leu  
                   50                                  55                                  60

Leu Cys Asn  
                   65

<210> 8035

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8035

Pro Ser Gln Pro Lys Thr Xaa Asn Val Glu Pro Glu Asp Xaa Arg Ser  
           1                                  5                                  10                                  15

Xaa His Val His Xaa Met Glu Ile Cys Ala Tyr Leu Tyr Ile Lys  
                                   20                                  25                                  30

<210> 8036

<211> 69

<212> PRT

<213> Homo sapiens

7152

<220>  
<221> SITE  
<222> (53)  
<223> Xaa equals any of the naturally occurring L-amino acids  
  
<400> 8036  
Leu Tyr Leu Phe Gln Leu Leu Ile Phe Cys Cys Cys Leu Ile Phe Leu  
1 5 10 15  
Ala Cys Leu Leu Val Glu Leu Tyr Ile Arg Ser His Ser Lys Lys Ala  
20 25 30  
Asn Ser Lys Thr Pro Lys Glu Tyr Tyr Arg Leu Asn Tyr Arg Arg Gln  
35 40 45  
Ile Pro Ser Leu Xaa Trp Glu Asn Gly Leu Glu Gly Arg Asn Val Ala  
50 55 60  
Arg Val Pro Gln Lys  
65

<210> 8037  
<211> 33  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>  
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<222> (19)

7153

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8037

Gly	Arg	His	Val	Xaa	Asp	Xaa	Xaa	Gly	Pro	Arg	Pro	Arg	Arg	Asp	Xaa
1				5				10						15	

Asn	Ser	Xaa	Phe	Arg	Pro	Xaa	Ala	Leu	Tyr	Pro	Xaa	Gly	Xaa	Lys	Pro
			20					25					30		

Gln

<210> 8038

<211> 47

<212> PRT

<213> Homo sapiens

<220>

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<222> (12)

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<220>

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<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

7154

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8038

Gln	Asn	Ile	Asn	Ala	Tyr	Asn	Leu	Gly	Gly	Thr	Xaa	Arg	Gly	Lys	Gly
1				5				10					15		

Ala	Pro	Asn	Pro	Xaa	Phe	Gly	Asp	Xaa	Ser	Lys	Tyr	Xaa	Gln	Lys	Cys
			20				25						30		

Ile	Pro	Leu	Met	Glu	Thr	Ile	Thr	Leu	Ile	Asn	Ala	Xaa	Ile	Tyr
		35					40					45		

&lt;210&gt; 8039

&lt;211&gt; 91

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7155

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 <400> 8039  
 Xaa Cys Arg Thr Gly Arg Asn Ser Arg Val Asp Pro Cys Val Arg Ala  
   1                  5                  10                  15  
  
 Xaa Leu Asn Lys Thr Asn Lys Asn Val Lys Xaa Glu Gln Xaa Thr Glu  
                   20                  25                  30  
  
 Ser His Lys Ala Asp Xaa Thr Xaa Ala Xaa Xaa Thr Xaa Thr Leu Gly  
           35                  40                  45  
  
 Ser Gly Tyr Lys Gly Xaa Lys Asp Tyr Val Asp Pro Trp Gly Leu Cys  
   50                  55                  60

## 7156

Lys Tyr Leu Pro His Lys Ser Cys Cys Xaa Lys Thr Gly Gly Leu Gly  
 65 70 75 80

Xaa Asn Leu Xaa Ile Lys Glu Phe Ala Thr His  
 85 90

<210> 8040

<211> 61

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8040

Glu Lys Ile Gly Xaa Ser Arg His Arg Lys Pro Tyr Ser Thr Val Val  
 1 5 10 15

Leu Ser Lys Lys Ala Leu Leu Ile Cys Gly Cys Xaa Leu Gln Lys Gln  
 20 25 30

Leu Gln Val Xaa Ser Trp Phe Thr Cys Pro Phe Arg Ser Ile Asn Leu  
 35 40 45

Ile Gly Xaa Ala Glu Ala Gly Ala Ile Xaa Ile Gln Val  
 50 55 60

7157

&lt;210&gt; 8041

&lt;211&gt; 64

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8041

Leu	Leu	Ile	Lys	Asn	Xaa	Leu	Cys	Leu	Arg	Glu	Ile	Tyr	Ala	Phe	Leu
1				5					10					15	

Lys	Ser	Thr	Ser	Glu	His	Val	Pro	Arg	Ser	Ser	His	Arg	Phe	Cys	Leu
				20				25					30		

Val	Gly	Thr	Gly	Lys	Phe	Ser	Arg	Lys	Tyr	Xaa	Leu	Cys	Val	Met	Thr
				35				40				45			

Xaa	Gln	Tyr	Cys	Gln	Ser	Ala	Met	Xaa	Tyr	Phe	Ala	Phe	Phe	Tyr	Pro
							55				60				

&lt;210&gt; 8042

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

7158

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 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (9)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (19)  
 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (38)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (40)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8042  
 Xaa Xaa Ser Gln Ser Glu Asp Ala Xaa Thr Ala Glu Glu Thr Glu Ala  
     1                    5                    10                    15  
 Glu Arg Xaa Ala Pro Arg Leu Ala Leu Pro Ala Pro Ala Ala Ala Ser  
                     20                    25                    30  
 Gly Gly Pro Pro Lys Xaa Arg Xaa  
             35                    40

<210> 8043  
 <211> 69  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids



## 7159

<220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>  
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<220>  
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 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (61)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8043  
 Leu Tyr Trp Ile Thr Xaa Xaa Thr Glu Thr Gln Thr His Tyr Asp Asp  
 1 5 10 15  
 Asn Leu Thr Leu Leu Glu Glu Xaa Xaa Asp Asn Leu His Ala Xaa His  
 20 25 30  
 Asn Xaa Ile Ser Gly Thr Trp His Met His Ser Ser Met Glu His Xaa  
 35 40 45

## 7160

Leu Ala Leu Pro Leu Ser Phe Lys Ala Gln Gly Thr Xaa Thr Ile Thr  
50 55 60

Val Lys Pro Xaa Pro  
65

<210> 8044

<211> 48

<212> PRT

<213> Homo sapiens

<220>

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<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

## 7161

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8044

Asn Xaa Pro Gly Xaa Leu Ile Xaa Val Glu Lys Arg Xaa Trp Gly Thr

1

5

10

15

Pro Leu Ala Gly Val Thr Pro Gly Ser Pro Gly Ile Phe Pro Gly Gly

20

25

30

Ser Xaa Pro Xaa Xaa Gly Pro Ala Phe Ile Ser Xaa Met Ile Gly Lys

35

40

45

<210> 8045

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8045

Lys Xaa Ala Thr Ala Xaa Arg Ser Leu Asn Gly Glu Trp Leu Leu Cys

1

5

10

15

Leu Val Ser Gly Ile Phe Lys Pro Gly Ala Glu Arg Gly Ala Gly Gly

20

25

30

Xaa Asp Phe

35

<210> 8046

<211> 52

7162

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8046

Xaa Ser Xaa Lys Gly Pro Gly Pro Gly Pro Lys Gly Pro Pro Gly Pro  
1 5 10 15

Gly Gly Pro Lys Gly Gly Ala Pro Lys Gly Gly Phe Leu Arg Gly Lys  
20 25 30

Ala Gln Arg Xaa Leu Ser Lys Pro Pro Asn Trp Xaa Gly Xaa Asn Trp  
35 40 45

Xaa Arg Gly Lys  
50

&lt;210&gt; 8047

&lt;211&gt; 56

&lt;212&gt; PRT

## 7163

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8047

Pro	Lys	Leu	Val	Leu	Leu	Glu	Ala	Thr	Thr	Ser	Thr	Glu	Thr	Leu	Lys
1				5					10					15	

Asn	Ile	Pro	Ser	Ser	Met	Leu	Arg	Leu	Thr	Phe	Asp	Thr	Gly	Met	Gly
			20					25					30		

Ile	Ser	Ile	Trp	Ser	Tyr	Leu	Ser	Cys	Val	Thr	Xaa	Gln	Leu	Tyr	His
		35					40					45			

Ser	His	Cys	Gln	Glu	Val	Leu	Xaa
	50					55	

<210> 8048

<211> 24

<212> PRT

<213> Homo sapiens

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<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

7164

&lt;400&gt; 8048

Pro Ser Xaa Ala Asn Ser Arg Asn Leu Trp Phe Phe His Arg Ala Val  
1 5 10 15

Leu Xaa Xaa Thr Ser Met Xaa Gln  
20

&lt;210&gt; 8049

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8049

Ala His Xaa Leu Leu Ser Ile Pro Glu Ser Trp Phe Leu Phe Ile Thr  
1 5 10 15

Glu Xaa

&lt;210&gt; 8050

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8050

Ala Ala Trp Ala Ala Ala Ser Cys Gln Pro Pro Pro Pro Arg Pro Cys  
1 5 10 15

Leu Arg Arg Thr His Lys Asn His Ala Ser Phe Leu Pro Gln Pro Leu  
20 25 30

Met Glu Ser Ser Ala Arg Ser Ala Thr Lys Pro Arg Lys Met Ile Leu  
35 40 45

Ala Cys  
50

7165

<210> 8051  
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<212> PRT  
<213> Homo sapiens

<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8051  
Glu Pro Xaa Arg Arg Xaa Arg Ser Asn Ile Xaa Thr Ile His Asn Gly  
1 5 10 15  
Xaa Ala Lys Asn Ile Asn Glu Ile Leu Tyr Ile Arg Asn Xaa Gln Ala  
20 25 30

Leu

<210> 8052  
<211> 29  
<212> PRT  
<213> Homo sapiens

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7166

<221> SITE  
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<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8052  
Leu Pro Glu Leu Thr Thr Thr Leu Leu Xaa Xaa Leu Xaa Thr Asp Ala  
1 5 10 15

Pro Ser Thr Leu Ser Asp Xaa Gly Asn Ala Asn Tyr Ile  
20 25

<210> 8053  
<211> 33  
<212> PRT  
<213> Homo sapiens

<220>  
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<220>  
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<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8053  
Met Thr Thr Tyr Gly Glu Tyr Ser Xaa Asn Ser His Asp Pro His Tyr  
1 5 10 15



7167

Gly Arg Gln Thr His Xaa Leu Trp Glu Thr Leu Met Gly Xaa Cys Lys  
20 25 30

Lys

&lt;210&gt; 8054

&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8054

Gly Leu Gly Ser Ala Xaa Ala Lys Thr Glu Trp Leu Asp Ala Lys His  
1 5 10 15

His Xaa Leu Ala His Ser Thr Phe Xaa  
20 25

&lt;210&gt; 8055

&lt;211&gt; 127

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (105)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (108)

## 7168

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8055

Pro Thr Arg Pro Val Arg Ser Arg Phe Ser Arg Gly Gly Arg Arg Trp  
1 5 10 15

Arg Glu Arg Ala Pro Glu Ser Leu Arg Ala Arg Trp Gly Gly Ala Gly  
20 25 30

Glu Ser Gly Arg Pro Glu Asp Val Gly Val Tyr Val Trp Lys Ser Gly  
35 40 45

Arg Val Leu Leu Phe Val Arg Ala Phe Glu Asn Cys Leu Pro Leu Ser  
50 55 60

Glu Glu Ser Thr Arg Asn Leu Pro Ser Ser Ala Gly Ser Pro Ala Leu  
65 70 75 80

Ser Ser Pro Thr Gln Ala Ser Val Gly Glu Val Gly Ser Ala Pro Asp  
85 90 95

Pro Arg Leu Glu Leu Leu Pro Arg Xaa Pro Met Xaa Thr Lys Xaa Ala  
100 105 110

Xaa His Glu Pro Pro Ala Trp Asp Pro Val Ala Pro Ile Xaa Pro  
115 120 125

<210> 8056

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

## 7169

<222> (17)  
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 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
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 <222> (22)  
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 <400> 8056  
 Glu Glu Ile Asp Lys Val Lys Ala Ser Leu Tyr Ile Ser Phe Trp Glu  
   1                  5                  10                  15  
  
 Xaa Xaa Ser Xaa Xaa Xaa  
                   20  
  
  
 <210> 8057  
 <211> 52  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
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## 7170

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 <220>  
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 <222> (50)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (51)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 8057  
 Gly Gly Gly Val Lys Lys Arg Ala Leu Trp Gly Phe Lys Pro Gly Pro  
   1                  5                  10                  15  
  
 Xaa Trp Ala Gln Arg Gly Phe Xaa Pro Pro Gly Val Ser Pro Arg Gly  
                   20                  25                  30  
  
 Xaa Lys Phe Phe Pro Pro Gly Gly Gly Phe Pro Gly Asn Xaa Pro Asn  
           35                  40                  45  
  
 Arg Xaa Xaa Phe  
       50

<210> 8058  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
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 <222> (6)  
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 <220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

7171

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8058

Gly	Leu	Xaa	Leu	Asp	Xaa	Glu	Arg	Pro	Xaa	Phe	Leu	Gly	Val	Arg	Xaa
1				5					10					15	

Thr

&lt;210&gt; 8059

&lt;211&gt; 75

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8059

Glu	Xaa	Pro	Glu	Gly	Leu	Arg	Pro	Leu	Leu	Arg	Gly	Ser	Gly	Ala	Trp
1				5					10					15	

Arg	Asp	Gly	Pro	Pro	Pro	Thr	Leu	Tyr	Pro	Pro	Thr	Pro	Glu	Glu	Asp
			20					25					30		

Gly	Gly	Lys	Lys	Ile	Thr	Leu	Pro	Ala	Cys	Ser	Pro	Ala	Ala	Phe	Leu
		35					40					45			

Leu	Phe	Pro	Leu	Phe	Val	Leu	Ser	Ser	Pro	Cys	Pro	Leu	Ser	Ser	Arg
	50					55					60				

Arg	Arg	Gly	Gly	Val	Ala	Thr	Gly	Leu	Pro	Val
65					70				75	

&lt;210&gt; 8060

&lt;211&gt; 66

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7172

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (60)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (62)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8060  
Leu Gly Glu Phe Trp Phe Trp Phe Phe Lys Ile Phe Xaa Thr Gln Asn  
1 5 10 15  
Asp Phe Ser Cys Phe Leu Leu Leu Thr Ile Phe Pro Asp Gly Val Gln  
20 25 30  
Arg Pro Leu Leu Lys Gln Leu Leu Ala Pro Leu Ala Ser Xaa Val Glu  
35 40 45  
Ser Phe Lys Asp Arg Thr Pro Met Phe Arg Lys Xaa Glu Xaa Gly Leu  
50 55 60  
Leu Gln  
65

<210> 8061  
<211> 52  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

7173

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8061

Cys	Phe	Lys	Cys	Cys	Ser	Trp	Lys	Ala	Asp	Asp	Val	Ser	Cys	Arg	Arg
1				5					10					15	

Trp	Thr	Leu	Lys	Asn	Ile	Pro	Gly	Asn	His	Gly	Ser	Met	Xaa	Ser	Leu
			20					25					30		

Leu	Xaa	Ile	Val	Ser	Ala	Leu	Val	Leu	Trp	Lys	Ile	Tyr	Leu	Phe	Trp
		35						40				45			

Cys	Xaa	Lys	Ala
			50

&lt;210&gt; 8062

&lt;211&gt; 75

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8062

Ala	Trp	Phe	Arg	Pro	Ala	Val	Trp	Gln	Thr	Met	Gly	Ser	Leu	Cys	Val
1				5					10					15	

Val	Leu	Gly	Ala	Gly	Phe	Arg	Gln	Tyr	Leu	Ala	Phe	Pro	Trp	Trp	Lys
			20					25					30		

Ser	Leu	Ser	Pro	Pro	Ala	Leu	Gly	Arg	Asn	Trp	Phe	Leu	Leu	Gly	Gly
			35				40					45			

Ala	Trp	Leu	Leu	Pro	His	Pro	His	Pro	Ala	Gly	Thr	Leu	Thr	Gly	Ser
						55					60				

## 7174

Ser Pro Asp Xaa Ser Leu Pro Xaa Pro Leu Xaa  
 65 70 75

<210> 8063

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8063

Gly Asn Ile Arg Ser Ser Leu Val Gln Glu Lys Gly Arg Arg Leu Arg  
 1 5 10 15

Gln Gln Glu Arg Leu Ser Gly Ser Lys Pro Ser Gly Xaa Xaa Xaa  
 20 25 30

<210> 8064

<211> 16

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE



## 7175

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8064

Leu	Ser	Phe	Arg	Ser	Xaa	Ala	Ala	Ala	Leu	Phe	Phe	Xaa	Phe	Tyr	Xaa
1				5					10					15	

&lt;210&gt; 8065

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8065

Ala	Leu	Val	Ser	Xaa	Tyr	Asn	Gln	Pro	Leu	Xaa	Lys	Xaa	Cys	Ile	Thr
1				5					10					15	

Glu	Thr	Pro	Gly	Phe	Thr	Glu	Asn	Phe	Leu	Arg	Xaa
			20					25			

&lt;210&gt; 8066

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 7176

<220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (18)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (35)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (40)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8066  
 Leu Glu Val Asp Xaa Glu Glu Ser Thr Arg Cys Tyr Pro Ala Arg Xaa  
 1 5 10 15  
 Lys Xaa Ile Leu Phe Pro Trp Phe Ser Leu Ser Leu Arg Thr Ser Tyr  
 20 25 30  
 Phe Ile Xaa Pro Ser Ser Arg Xaa Xaa Leu Leu  
 35 40

<210> 8067  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids

7177

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8067  
Gln Met Arg Ser Gln Xaa Leu Lys Glu Gln Xaa Xaa Ser Tyr Lys Leu  
1 5 10 15

Ala Phe Asp Phe  
20

<210> 8068  
<211> 53  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (48)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (50)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8068

7178

Arg Phe Trp Met Ala Thr Met Arg Ser Thr Arg Leu Cys Tyr Tyr Phe  
 1 5 10 15  
 Leu Ser Phe Ala Ser Cys Val His Asn Asn Ser Lys Glu Val Thr Leu  
 20 25 30  
 Phe Ala Met His Gln Ile Xaa Met Met Xaa Phe Phe Leu Xaa Tyr Xaa  
 35 40 45  
 Ile Xaa Val Thr Val  
 50

&lt;210&gt; 8069

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8069

Ala Val Xaa Gln Thr Val Ser Asp Leu Val Xaa Pro Arg Xaa Phe Tyr  
 1 5 10 15

Xaa

&lt;210&gt; 8070

&lt;211&gt; 22

&lt;212&gt; PRT

7179

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8070

Pro	Ile	Pro	Ile	Lys	Val	Cys	Asp	Leu	Thr	Trp	Cys	Ile	Leu	Val	Xaa
1				5					10					15	

Pro	Gly	Xaa	Ala	Xaa	Asp
			20		

&lt;210&gt; 8071

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8071

Gly	Xaa	Cys	Cys	Cys	Pro	Gly	Cys	Pro	Asn	Gln	Gly	Val	Gly	Ile	Arg
1				5					10					15	

Asn	Xaa	Gly	Pro	Xaa	Trp	Glu	Gly	Glu	Arg	Arg	Lys	Thr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

7180

20

25

<210> 8072  
<211> 27  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8072  
Gln Leu His Ser Gln Arg Val Ala Ser Cys His Glu Gly Pro Xaa Met  
1 5 10 15

Thr Thr Ser Tyr Xaa Xaa Arg Xaa Lys Arg Gly  
20 25

<210> 8073  
<211> 59  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (6)

## 7181

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8073

Xaa	Gly	Met	Cys	Tyr	Xaa	Xaa	Tyr	Gln	Xaa	Cys	Val	Met	Pro	Arg	Ser
1					5				10					15	

His	Ser	Met	Glu	Thr	His	Val	His	Ala	Asp	Asn	Thr	Xaa	Thr	Ala	Ser
			20					25					30		

Leu	Pro	Trp	Arg	Ile	Cys	His	Gly	Arg	Ser	Trp	Gln	Xaa	Gly	Asn	Ile
			35				40					45			

Leu	Xaa	Xaa	Phe	Pro	Phe	Gly	Arg	Gln	Leu	Val
			50			55				

<210> 8074

<211> 31

<212> PRT

<213> Homo sapiens

7182

<220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8074  
 Phe Phe Xaa Gly Gly Gly Phe Lys Lys Lys Xaa Arg Xaa Xaa Pro Pro  
 1 5 10 15

Arg Gly Lys Thr Leu Xaa Lys Lys Thr Ser Trp Lys Gly Leu Phe  
 20 25 30

<210> 8075  
 <211> 79  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>



## 7183

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8075

Xaa	Ser	Gly	Pro	Thr	Xaa	Xaa	Phe	Leu	Pro	Cys	Leu	Arg	Arg	Asp	Ile
1				5					10					15	

Thr	His	Met	Pro	Gln	Leu	Ser	Asp	Pro	Ala	Xaa	Leu	Cys	Pro	Arg	Pro
			20					25					30		

Gln	Gln	Arg	Ser	Val	Glu	Pro	Leu	Pro	Pro	Phe	Pro	Val	Ile	Trp	Val
		35					40					45			

Leu	Trp	Ile	Leu	Leu	Xaa	Leu	Glu	Xaa	Gly	Ser	Ala	Leu	Pro	Leu	Ala
	50					55					60				

Thr	Thr	Gly	Lys	Pro	Leu	Thr	Val	Ala	Ala	Leu	Leu	Ala	Phe	Cys
65					70					75				

&lt;210&gt; 8076

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8076

Ser	Phe	Xaa	Arg	Pro	Val	His	Thr	Gly	Leu	Trp	Glu	Tyr	Ile	Glu	Gln
1				5					10					15	

7184

Ala Ile Lys Ile Lys Gln Ala Leu Lys Lys Lys Lys Lys  
                   20                  25

&lt;210&gt; 8077

&lt;211&gt; 60

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8077

Asn Tyr Arg Ile Ser His Trp Xaa His Cys Gln Val Ile Xaa Xaa Asn  
       1                  5                  10                  15

Asp Glu Ser Val Leu Phe Pro Xaa Asp His Lys Thr Met Asp Pro Phe  
                   20                  25                  30

7185

Cys Tyr Asp Gly Phe Lys Leu Ser Ile Val Thr Phe Tyr Ala Ile Ser  
35 40 45

Xaa Tyr Lys Gly Ala Arg Thr Ser Xaa Val Phe Xaa  
50 55 60

&lt;210&gt; 8078

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8078

Gly Ala Thr Xaa Cys Thr Gly Val Ser Lys Xaa Thr Thr Xaa Gly Asn  
1 5 10 15

Phe Leu

&lt;210&gt; 8079

&lt;211&gt; 79

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

7186

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8079

Asp	Ala	Trp	Ala	Glu	Ala	Xaa	Glu	Xaa	Xaa	Xaa	Arg	Pro	Gln	Gln	Leu
1				5					10					15	

Pro	Gly	Lys	Ala	Thr	Val	Leu	Ala	Gly	Gly	Cys	Gly	Ala	Gly	Pro	Arg
			20					25					30		

Pro	Leu	Lys	Ser	Gly	Arg	Gln	Gly	Lys	Glu	Ser	Trp	Gly	Arg	Gly	Ser
		35					40					45			

Pro	Glu	His	Lys	Ala	Asp	Ser	Thr	Lys	Arg	Lys	Pro	Ser	Val	Pro	Asn
	50					55					60				

Lys	Pro	Arg	Asn	Gln	His	Pro	Gln	Ala	Arg	Met	Ala	Gln	Thr	His
65					70				75					

&lt;210&gt; 8080

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8080

Pro	Thr	Arg	Gly	Lys	Lys	Arg	Gly	Glu	Ile	Lys	Asn	Thr	Arg	Gly	Glu
1				5				10						15	

Lys	Arg	Xaa	Xaa	Arg	Lys	Asn	Lys	Ser	Ile	Ser	Leu	Tyr	Gly	Arg	Arg
			20				25						30		

7187

Thr

<210> 8081  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (25)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8081  
 Xaa Ser Lys Asp Trp Thr Ser Ser Thr Met Arg His Gly Gln Arg Val  
           1                  5                  10                  15

His Gly Lys Gly Leu Xaa Ser Pro Xaa Val Arg Met Met Leu Arg Leu  
                   20                  25                  30

Lys Gly Pro Phe Gly Thr Glu Arg Xaa  
           35                  40

<210> 8082  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (11)

## 7188

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8082

Gln	Leu	Gln	Gly	Thr	Leu	Glu	Ser	His	His	Xaa	Lys	Gly	Ile	Tyr	Xaa
1				5					10					15	

Glu	Thr	Xaa	Xaa	Gly	Gly	Ile	Xaa	Leu	Gly	Arg	Glu	Val	Leu	Lys	Trp
			20					25					30		

Ala	Gln	Gln	Lys
			35

<210> 8083

<211> 97

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8083

Arg	Pro	Val	Trp	Pro	Phe	Leu	Pro	Leu	Gln	Thr	His	Tyr	Glu	Thr	Pro
1				5					10					15	

His	Phe	Ser	His	His	Gln	Leu	Leu	His	Ser	Tyr	Asn	Pro	Cys	Ala	Leu
			20					25					30		

## 7189

Ser Ser Leu Gly Ala Phe Ala Val Ala Ile Val Ser Ile Trp Asn Ala  
           35                          40                          45

Leu Pro Pro Val Leu Pro Met Ala Asp Ser Phe Glu Ser Phe Trp Cys  
           50                          55                          60

Trp Leu Asn Cys His Leu Phe Leu Glu Pro Phe Ser Asp His Pro Ser  
       65                          70                          75                          80

Met Xaa Ile Ser Ser Val Ile Leu Thr Leu Cys Val Phe Phe Leu Ala  
                           85                          90                          95

Val

&lt;210&gt; 8084

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8084

Phe Gly Ile Val Ile Asp His Ser Phe Val Cys Ile Xaa His Ser Xaa  
       1                          5                          10                          15

His Met Ile Ile Ser Asn Phe Val Tyr Lys Phe Ile Ser Asn Phe Val  
                           20                          25                          30

Gln Val Asn Leu Asn Phe Asn Thr Met Leu Lys Phe Gln Lys Pro Glu  
                           35                          40                          45

Lys Arg Glu Met Gln Ser Tyr Ile  
       50                          55

&lt;210&gt; 8085

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

7190

<220>  
 <221> SITE  
 <222> (8)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (10)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8085  
 Leu Glu Tyr Tyr Cys Gly Ser Xaa Lys Xaa Xaa Leu Ile Gly Ser Xaa  
           1                  5                  10                  15

Leu Met Glu Thr Ser His Trp Xaa  
                   20

<210> 8086  
 <211> 57  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (56)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8086



## 7191

Leu Leu Gly Leu Ala Leu His Lys Ala Gln Phe Leu Ser Val Xaa Glu  
 1                      5                      10                      15  
 Lys Asp Phe Asp Pro Leu Gly Ile Leu Arg Gly Gln His Val Ile Val  
                     20                      25                      30  
 Val Arg Thr His Cys Ala Leu Glu Cys Leu Phe Ile Glu Ile Ile Val  
                     35                      40                      45  
 Arg Pro Val Ile Asn Phe Lys Xaa Ile  
                     50                      55

&lt;210&gt; 8087

&lt;211&gt; 72

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (64)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8087

Leu Glu Tyr Gly Ile Ser Arg Thr Ile Trp Glu Cys Gly Gly Gly Glu  
 1                      5                      10                      15  
 Ala Val Leu Ala Pro Leu Ala Ala Val Ile His Gln Ala Pro Pro Leu  
                     20                      25                      30  
 Leu Pro Glu Gln Leu Leu Arg Val Arg Gly Thr Asp Trp Arg Arg Ser  
                     35                      40                      45  
 Arg Asn Val Val Cys Val Glu Gly Val Gly Trp Gly Val Thr Asp Xaa  
                     50                      55                      60  
 Leu Gly Gly Xaa Leu Pro Xaa Leu  
 65                      70

7192

<210> 8088  
<211> 41  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8088  
Cys Arg Asp Pro Ile Trp Xaa Thr Xaa Xaa Tyr Arg Glu Ser Trp Tyr  
1 5 10 15

Ala Cys Arg Tyr Arg Thr Gly Xaa Xaa Gly Ser Thr His Ala Phe Glu  
20 25 30

Gln Gly Gln Gly Asp Leu Pro Leu Ser  
35 40

<210> 8089  
<211> 45  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (10)

## 7193

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8089

Thr	Val	Phe	Arg	Pro	Leu	Thr	Leu	Glu	Xaa	Thr	Phe	Leu	Ile	Val	Asp
1				5				10					15		

Ser	Cys	Ser	Lys	Leu	Xaa	Gln	His	Ser	Thr	Leu	Ser	Arg	Ser	Ile	Leu
			20					25					30		

Leu	Ile	Tyr	Lys	Gly	Phe	Cys	Arg	Phe	Trp	Pro	Xaa	Gly
	35						40					45

<210> 8090

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8090

Gly	Lys	Leu	Val	Arg	Leu	Gln	Val	Pro	Val	Arg	Asn	Ser	Arg	Val	Asp
1				5				10					15		

Pro	Arg	Val	Arg	Phe	His	Ile	Lys	Cys	Tyr	Ile	Thr	Gln	Glu	Arg	Glu
			20					25					30		

Ser	Ile	Ser	Arg	Lys	Ser	Ala	Xaa	His	Pro	Lys	Lys	Phe	Lys	Leu	Lys
			35				40					45			

Cys

<210> 8091

<211> 35

7194

<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8091  
Tyr Arg Gly Ser Val Val Xaa Asp Ala His Leu Asp Trp Ala Ala Ala  
1 5 10 15  
Xaa Glu Lys Asp Arg Xaa Xaa Glu Gln Cys Glu Lys Asp Glu Xaa Lys  
20 25 30  
Ile Trp Gly  
35

<210> 8092  
<211> 41  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 7195

<221> SITE  
 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (26)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (35)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (37)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 8092  
 Tyr Xaa Thr Xaa Leu Glu Cys Arg Tyr Ala Cys Cys Thr Gly Pro Glu  
     1                    5                    10                    15  
  
 Phe Pro Gly Arg Pro Thr Arg Pro Leu Xaa His Ile Val His Lys Ile  
                     20                    25                    30  
  
 Gly Xaa Xaa Thr Xaa Thr Val Thr Met  
             35                    40  
  
  
 <210> 8093  
 <211> 79  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

7196

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (39)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (57)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (65)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (72)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (78)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8093  
Thr Leu Gln Leu Gln Met Ile Val Glu Lys Lys Pro Gln Xaa Arg Xaa  
1 5 10 15  
Arg Ser Arg Arg Arg Xaa Phe Xaa Gly Gln Ala Xaa Asp Arg Gln Pro  
20 25 30  
Gly Asn Leu Ser Gly Pro Xaa Asp Thr Ile Arg Val Thr Ser Met Lys  
35 40 45  
Lys Met Leu Cys Cys Phe Leu Asn Xaa Leu Tyr Leu His Val His Met

50

60

65

70

75

<211> 50

<212> PRT

<213> Homo sapiens

 $\langle 220 \rangle$ 

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

**<222> (10)**

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

&lt;222&gt; (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

**<220>**

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8094

Val Gly Asn Ala Ile Xaa Xaa Gly Thr Xaa Ser Arg Leu Tyr Asp Lys

1

5

10

15

7198

Ser Thr Gly Ala Trp Pro Glu Lys Pro Ile Xaa Arg Thr Thr Phe Leu  
20 25 30

Pro Leu Asp Trp Thr Ser Asp Xaa Gly Pro Ser Ile Xaa Ile Xaa Ala  
35 40 45

Lys Val  
50

<210> 8095

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids



7199

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8095

Glu	Asn	Lys	Arg	Cys	Xaa	Arg	Gly	Thr	Leu	Thr	Phe	Gly	Thr	His	Met
1				5					10					15	

His	Xaa	Xaa	Xaa	Tyr	Leu	Pro	Xaa	Trp	Pro	Asp	Met	Ser	Arg	Ile	Val
			20					25					30		

Pro	Gln	Thr	Trp	His	Gln	Arg	Ile	Ala	Leu	Lys	Glu	Glu	Leu	Ile	Gly
		35					40					45			

Cys	Gln	Ile	His	Lys	Val	Met	Ile	His	Xaa	Glu	Trp	Cys	Xaa	Xaa	Lys
	50					55					60				

Ser	Glu	His	Gln	Phe
	65			

&lt;210&gt; 8096

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8096

Xaa	Gly	Thr	Pro	Thr	Ile	Gly	Lys	Ala	Gly	Thr	Pro	Ala	Gly	Thr	Gly
1				5					10					15	

Pro	Glu	Phe	Pro	Gly	Arg	Pro	Thr	Arg	Pro	Pro	Thr	Arg	Pro	Asn	Ser
			20					25					30		

His	Asn	Ala	Lys	Tyr	Thr	Met
			35			

&lt;210&gt; 8097

&lt;211&gt; 93

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

## 7200

<221> SITE  
 <222> (37)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (60)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (70)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (74)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (78)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (82)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (83)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8097

Thr Leu Phe Ser Ala Gly Thr Thr Ser Ile His Val Leu Asn Ser Asn  
 1 5 10 15

Ser Ala Lys Leu His Ser Ser Pro Gly Arg Ser Pro Gly Ile Asn Gly  
 20 25 30

Ile Ser Val Gly Xaa His His Ser His Pro Ser Val Leu Gly Lys Gly  
 35 40 45

Gly Arg Ser Pro Gln Asn His Thr Ala Glu Ile Xaa Lys Phe Cys Leu  
 50 55 60

Lys Ser Asp Lys Val Xaa Val Ala Leu Xaa Leu Cys Lys Xaa Gly Asp  
 65 70 75 80

Ile Xaa Xaa Tyr Ile Ser Leu Tyr Leu His Arg Val Gln

## 7201

85

90

&lt;210&gt; 8098

&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8098

Gln	Asn	Val	Cys	Ala	Lys	Lys	Gln	Met	His	Lys	His	Ile	Thr	Ala	Thr
1				5				10						15	

Leu	Arg	His	Phe	Xaa	Xaa	Trp	Thr	Xaa
			20				25	

&lt;210&gt; 8099

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

7202

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8099

Glu Thr His Thr Ala Gly Gln Val Asp Val Tyr Xaa Xaa Pro Phe Glu  
 1 5 10 15

Tyr Xaa Ile His Glu Ser  
 20

&lt;210&gt; 8100

&lt;211&gt; 121

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8100

Asp Leu Ile Cys Leu Gly Pro Xaa Leu Leu Glu Ser Phe Val Ala Asn  
 1 5 10 15

Pro Leu Ser Tyr Leu Gly Pro His Thr Leu Gly Phe Thr Ala Ala Arg  
 20 25 30

Ser Leu Ser Pro Pro Glu Asp Leu Pro Ala Arg Asp Leu Ala Cys Trp  
 35 40 45

Gly Pro Arg Leu Leu Gly Thr Ser Pro Ala Gly Asp Leu Thr Cys Trp  
 50 55 60

Gly Pro Trp Leu Leu Glu Ala Ala Pro Thr Glu Asp Val Gly Gly Arg  
 65 70 75 80

Gly Leu Tyr Leu Leu Gly Pro Ala Pro Arg Asp Leu Ala Thr Leu Asn  
 85 90 95

Leu Thr Cys Trp Gly Pro His Pro Gly Gly Pro Gly Pro Gly Glu Leu  
 100 105 110

Ala Tyr Phe Gly Ala Pro Thr Arg Glu  
 115 120

&lt;210&gt; 8101

&lt;211&gt; 52

&lt;212&gt; PRT

## 7203

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8101

Xaa	Gly	Asn	Leu	Met	Glu	Ala	Phe	Trp	Xaa	Xaa	Cys	Xaa	Tyr	Arg	Ser
1				5					10					15	

Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Ala	Thr	Glu	Arg	Trp	Gly	Cys
			20					25					30		

Pro	Xaa	Arg	Lys	Ser	Gly	Ser	Arg	Glu	Thr	Asp	Pro	Leu	Thr	Asn	Ser
		35					40					45			

Pro	Asp	Lys	Leu
	50		

<210> 8102

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

7204

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8102

Phe	Pro	Phe	Thr	Pro	Ser	Ser	Leu	Ala	Leu	Ala	Gly	Gln	Cys	Thr	Met
1				5					10					15	

Asn	Trp	Arg	Ser	Ala	Gly	Glu	Ser	Gln	Ser	Cys	Pro	Asp	Ser	Ala	Ser
			20					25					30		

Pro	Gln	Gly	Pro	Leu	Pro	Ser	Gly	Leu	Pro	Ser	Pro	Ala	Ile	Pro	Val
	35						40					45			

Ala	Gly	Lys	Val	Gly	Leu	Ala	Leu	Pro	Pro	Asp	Leu	Phe	Pro	Gln	Glu
	50					55					60				

Gly	Pro	Xaa	Xaa	Thr	Gly	Ala	Gly	Ser	Gly
65							70		

&lt;210&gt; 8103

&lt;211&gt; 42

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7205

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8103

Arg	Asp	Xaa	Xaa	Gly	Gly	Xaa	Leu	Met	Gly	Lys	Leu	Ile	Ile	Gly	Asn
1				5					10					15	

Xaa	Gly	Thr	Pro	Ala	Gly	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Arg	Pro	Thr
			20				25						30		

Arg	Pro	Thr	Xaa	Xaa	Arg	Xaa	Arg	Ala	Val
		35				40			

&lt;210&gt; 8104

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8104

Arg	Gly	Glu	Xaa	Tyr	Trp	Glu	Gly	His	Ser	Gly	Thr	Leu	Ala	Gly	Thr
1				5					10					15	

Gly	Pro	Glu	Phe	Pro	Gly	Arg	Pro	Thr	Arg	Pro	Arg	Lys	Arg	Lys	Arg
			20				25					30			

Val	Gly	His	Arg	Arg	Glu	Met	Val	His	Phe	Leu	Thr	Ala	Val	Leu	Ile
			35				40					45			

Tyr	Ile	Ile	Val	Phe	Leu
			50		

&lt;210&gt; 8105

## 7206

<211> 79  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (44)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (52)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (67)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (69)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (76)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8105

Lys Lys Phe Ile Cys Ile Tyr Ala Phe Arg Ile Ile Leu Tyr Leu Ser  
 1 5 10 15

Asn Leu Phe Tyr His Cys Tyr Arg Phe Leu Lys Lys Asn Leu Ser Leu  
 20 25 30

Ala Ser Thr Cys Gln Arg Phe Thr Ser Xaa Leu Xaa Xaa Lys Gln Val  
 35 40 45

Val Ala Val Xaa Ile Gly His Ala Ser Arg Gly Asn Ala Gln Tyr Lys  
 50 55 60



## 7207

Cys Phe Xaa Leu Xaa Arg Lys Gly Pro Ile Leu Xaa Leu Lys Ser  
 65 70 75

<210> 8106

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8106

Ala Xaa Ile Lys Xaa Trp Xaa Gly Xaa Gly Lys Leu Lys Lys Gly Phe  
 1 5 10 15

Xaa Leu

<210> 8107

<211> 52

<212> PRT

<213> Homo sapiens

<400> 8107

## 7208

Thr Asn Cys Trp Phe Asp Ile Tyr Val Asn Ile Ser Leu Pro Cys Phe  
 1 5 10 15  
 Asn Phe Ala His Ser Tyr Tyr Arg Glu Pro Ile Gly Ser Leu Leu Val  
 20 25 30  
 Leu Trp Val Phe Cys Leu Lys Arg Ser His Gly Ile Cys Leu His Leu  
 35 40 45  
 Pro Tyr Gln Thr  
 50

&lt;210&gt; 8108

&lt;211&gt; 82

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (69)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8108

Ile Ser Leu Phe Phe Ser Asp Leu His Leu Cys Ser Gln Cys Leu Ala  
 1 5 10 15

Gly Pro Ala Leu Ile Leu Gln Xaa Ile Gln Ala Leu Phe Glu Arg Leu  
 20 25 30

## 7209

Val Ile Ile Arg Cys Cys Asn Ala Ala Ser Arg Phe Phe Met Val Thr  
                   35                                  40                                  45

Trp Asp Ala Pro Ala His Leu Xaa Leu Lys Val Xaa Thr Phe Thr Pro  
           50                                  55                                  60

Met Arg Asp Ile Xaa Ile Asn Ser Phe Phe Xaa Leu Leu Val Pro Lys  
       65                                  70                                  75                                  80

His Arg

<210> 8109

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8109

Arg Ala Cys Glu Gly Arg Phe Gln Val Trp Phe Tyr Lys Pro Val Asn  
       1                                  5                                  10                                  15

Tyr Leu Leu Ser Ser Leu Thr Xaa Thr Asn Phe Ser Ser Phe Cys Cys  
                   20                                  25                                  30

Gln Xaa Val Xaa Arg Lys Glu Thr Phe Pro Ser Leu Asp Arg Ile Cys  
           35                                  40                                  45

Leu Arg Asp Xaa Gly Thr Ile Val Phe Lys  
       50                                  55

## 7210

<210> 8110  
<211> 66  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (55)

## 7211

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8110

Asp	Leu	Pro	Thr	Glu	Phe	His	Cys	Met	Met	Ile	Leu	Leu	Ser	Leu	Leu
1				5				10					15		

Val	Ala	Leu	Xaa	Ser	Xaa	Xaa	Lys	Xaa	Xaa	Leu	Gly	Leu	Val	Arg	Xaa
		20					25						30		

Ser	Arg	Glu	Asp	Phe	Ser	Phe	Xaa	Leu	Xaa	Arg	Glu	Lys	Ala	Phe	Tyr
		35					40					45			

Gln	His	Ser	Ser	Ser	Ser	Xaa	Xaa	Glu	Arg	Leu	Gln	Ala	Leu	Arg	Lys
	50					55					60				

Xaa Ala  
65

<210> 8111

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 7212

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8111

Pro Ser Xaa Arg Ala Val Arg Asn Gln Xaa Tyr Tyr Gly Xaa Ser His  
1 5 10 15

Ile Thr Val Ser Ser Asn Ser Tyr Met Pro Xaa Pro Lys Met Ile Thr  
20 25 30

Thr His Cys Xaa Cys Leu  
35

&lt;210&gt; 8112

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8112

Phe Lys Gly Trp Glu Pro Arg Pro Pro Gly Gln Xaa Thr Arg Gly Ala  
1 5 10 15

Ala Glu Ile Phe Ser Gly Gly  
20

&lt;210&gt; 8113

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7213

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8113

Ala Phe Lys Asn Arg Thr Phe Tyr Thr Gly Gly Phe Ser Phe Leu Trp

1

5

10

15

Gly Gln Xaa Xaa Xaa Arg

20

&lt;210&gt; 8114

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8114

Glu Xaa Asn Glu Asp Gln Asp His Cys Trp Val Arg Xaa Ala Leu Xaa

1

5

10

15

Xaa

7214

&lt;210&gt; 8115

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8115

Gln Cys Cys Asn Thr Asp Gly Asn Ala Ile Ala Tyr Leu Lys Thr Leu  
1 5 10 15

Arg Asp Leu Ile Glu Met Tyr Ile Val Phe Phe Phe Thr Ile Thr Glu  
20 25 30

Leu Phe Tyr Leu Leu Cys  
35

&lt;210&gt; 8116

&lt;211&gt; 60

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)



## 7215

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8116

Ser Thr Xaa Thr Arg Gly Gly Lys Lys Gly Xaa Gly Phe Thr Gly Xaa  
1 5 10 15

Xaa Ala Lys Gly Leu Pro Gly Val Ser Pro Gly Lys Ile Phe Pro Pro  
20 25 30

Gly Gly Phe Arg Asn Xaa Gln Arg Ala Xaa Ser Pro Gly Leu Val Gly  
35 40 45

Asn Xaa Lys Gly Phe Ile Phe Gly Phe Gly His Xaa  
50 55 60

<210> 8117

<211> 81

<212> PRT

<213> Homo sapiens

<400> 8117

Asp Asn Lys Asp Glu Val Lys His Pro Gly Tyr Pro Leu Pro Val Ile  
1 5 10 15

Arg Ser Asp Val Arg His Phe Met Ser Glu Leu Ile His Leu Val Leu  
20 25 30

Val Phe Gly Lys Asp Asn Val Ser His Leu Leu Val Ala Val Ala Trp  
35 40 45

Arg Arg Gly Leu Thr Asn Gly Gly Gln Gly Asp His Leu Glu Phe Ala  
50 55 60

Ser Cys Glu Asp Arg Cys Trp Leu Phe Thr Ile Leu Glu Gly Phe Thr  
65 70 75 80

Ser

7216

<210> 8118  
 <211> 109  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (97)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (99)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (104)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (108)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8118  
 Val Gly Cys Phe Leu Leu Pro Pro Leu Leu Arg Phe Pro Val Thr Gly  
     1                    5                    10                    15  
 Ser Ser Gly Lys Pro Gly Gln Pro Thr Gln Ile Asn Glu Leu Gly Thr  
             20                    25                    30  
 Glu Glu Thr Ser Lys Asp Leu Gly Leu Arg Ala Glu Gly Pro Arg Trp  
             35                    40                    45  
 Val Gly Phe Glu Gln Gly Ala Pro Gly Pro Glu Pro Gly Ile Gly Ala  
     50                    55                    60  
 Ser Leu Pro Ser Lys Ser Cys Val His Pro Asn Ser Glu Ala His Ala  
     65                    70                    75                    80  
 Thr Ala Ser Cys Ser Val Cys Glu Val Pro Gly Gly Cys Pro Gly Ala  
             85                    90                    95  
 Xaa Leu Xaa Arg Arg Pro Gln Xaa Arg Ala Trp Xaa Ala  
             100                    105

7217

&lt;210&gt; 8119

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8119

Thr	Leu	Gln	Cys	Tyr	Thr	Ser	Met	Leu	Cys	Cys	Leu	Leu	Asn	Xaa	Gly
1					5				10					15	

Thr	Ala	Val	Leu	Xaa	Met	His	Met	Ile	Xaa	Ser	Glu	Asn	Xaa	Glu	Xaa
			20					25					30		

&lt;210&gt; 8120

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7218

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8120  
Ala Asp Ala Trp Val Ala Leu Arg Ser Tyr Gly Ala Thr Xaa Ser Xaa  
1 5 10 15  
Xaa Trp Leu Xaa Ser  
20

<210> 8121  
<211> 21  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 7219

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8121

Asp	Gly	Xaa	Ile	Gly	Pro	Xaa	Ile	Phe	His	His	Xaa	Ser	Xaa	Gly	Pro
1				5				10						15	

Pro	Val	Pro	Xaa	Tyr
				20

&lt;210&gt; 8122

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8122

Lys	Lys	Thr	Xaa	Xaa	Asn	Glu	Asn	Ile	Glu	Lys	Ile	Leu	Arg	Lys	Lys
1				5				10						15	

Tyr	Ile	Trp	Gly	Gly	His	Xaa	Xaa
							20

&lt;210&gt; 8123

&lt;211&gt; 62

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 7220

<220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (46)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (52)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (57)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (59)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8123  
 Leu Ile Xaa Xaa Asn Leu Phe Arg Ala Phe Pro Phe Xaa His Gly Gln  
 1 5 10 15  
 Pro His Cys Pro Tyr Gly Leu Xaa Lys Gly Ile Arg Ile Ser Phe Pro

## 7221

	20		25		30										
Phe	Leu	Asn	Ser	Gly	Gly	Thr	Ile	Xaa	Ala	Phe	Pro	Thr	Xaa	Pro	Cys
	35						40					45			
Leu	Pro	Ala	Xaa	Gln	Gln	Pro	Gly	Xaa	Phe	Xaa	Met	Asn	Gln		
	50					55					60				

&lt;210&gt; 8124

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8124

Ala	Gly	Asn	Lys	Pro	Glu	Leu	Xaa	Xaa	Glu	Glu	Lys	Xaa	Tyr	Lys	Asn
1				5					10					15	

Ala	Arg	Glu	Arg	Glu	Lys
		20			

&lt;210&gt; 8125

&lt;211&gt; 78

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7222

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (64)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (73)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8125

Ala	Pro	Ala	Xaa	Arg	Ala	Ala	Arg	Gly	Pro	Ala	Cys	Ala	Pro	Ala	Ser
1				5					10					15	

Pro	Glu	Ala	Pro	Gly	Pro	Thr	Pro	Pro	Leu	Leu	Ser	Leu	Ser	Ala	Leu
			20					25					30		

Ser	Ala	Ser	Gly	Ser	Ala	Gly	Ala	Arg	Arg	Arg	Glu	Pro	Val	Gln	Gly
		35					40					45			

Arg	Gly	Ser	Ala	Pro	Xaa	Pro	Xaa	Val	Gly	Leu	Arg	Trp	Pro	Xaa	Xaa
	50					55					60				

Ser	Asp	Ile	Phe	Leu	Pro	Ser	Trp	Xaa	Ser	Leu	Glu	Ile	Tyr
65					70					75			

&lt;210&gt; 8126

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



## 7223

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8126  
Ala Trp Ile Ile Met Leu Ile His Arg Ala Leu Leu Met Ile Xaa Xaa  
1 5 10 15

Xaa

<210> 8127  
<211> 20  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8127  
Gly Glu Lys Cys Pro Leu Leu Lys Leu Phe Val Thr Gly Glu Xaa Xaa  
1 5 10 15

Val Phe Asp Gly  
20

<210> 8128  
<211> 21  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (7)

## 7224

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8128

Ala	Met	Ser	Ala	Arg	Arg	Xaa	Gly	Xaa	Pro	Ser	Xaa	Ala	Leu	Arg	Arg
1				5					10					15	

Arg	Xaa	Val	Cys	Asp
				20

<210> 8129

<211> 36

<212> PRT

<213> Homo sapiens

<400> 8129

Leu	Arg	Cys	Ala	Leu	Lys	Tyr	Ser	Val	Ala	Tyr	His	Ser	Thr	Leu	Asn
1				5					10					15	

Pro	Met	Ile	Ile	Gln	Leu	Thr	Ser	Cys	Cys	Ser	Gly	Leu	Val	His	Ile
			20					25					30		

Ala	His	Met	Ile
			35

<210> 8130

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

## 7225

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8130

Thr	Leu	Xaa	Lys	Cys	Tyr	Leu	Ile	Ile	Ile	Leu	His	Xaa	Asp	Lys	Leu
1				5					10					15	

Gly	Leu	Ser	Asn	Met	Asn	Xaa	Xaa	Asn	Gly	Tyr	Xaa
			20					25			

<210> 8131

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7226

&lt;400&gt; 8131

Lys Tyr Asn Xaa Lys Lys His Phe Thr Tyr Gln Arg Xaa Leu Tyr Leu  
1 5 10 15

Tyr Lys Arg Leu Leu Asn Glu Gly Leu Leu Asn Xaa Phe Gly Ser Ile  
20 25 30

Thr

&lt;210&gt; 8132

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (59)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7227

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8132

Val	Pro	Ala	Ser	Asn	His	Pro	Ala	Arg	Phe	Leu	Phe	Gly	Lys	Ile	Ser
1				5				10					15		

Thr	Gly	Glu	Pro	Ser	Ser	Leu	Pro	Ser	Xaa	Glu	Met	Glu	Thr	Ile	Gln
			20					25					30		

Asp	Ile	Lys	Asn	Ala	Xaa	Xaa	Gly	Gln	Gln	Leu	Cys	Xaa	Val	Gln	Xaa
		35					40					45			

Met	Lys	Phe	Ser	Arg	Trp	Cys	Ala	Ser	Leu	Xaa	Xaa	Lys	Ser	Xaa	Lys
	50					55						60			

Asp	Arg	Ser
		65

&lt;210&gt; 8133

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7228

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8133

Pro Pro Xaa Arg Xaa Gln Leu Xaa Ile Xaa Phe Ser Glu Val Pro Phe  
 1 5 10 15

Val Ser Lys Ile Gln Leu Leu Lys Phe Xaa Gly  
 20 25

&lt;210&gt; 8134

&lt;211&gt; 53

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8134

Gly Ser Lys Tyr Phe Leu Xaa Phe Ser Leu Val Phe Met Pro Ser Leu  
 1 5 10 15

Xaa Ile Tyr Ile Leu Ser Val Ile Ile Trp Xaa Phe Leu Xaa Val Xaa  
 20 25 30

Gly Ile Tyr Gln Val Val Asn Tyr Glu Tyr Leu His Leu Leu Phe Glu  
 35 40 45

7229

Lys Met Thr Leu Ile  
50

&lt;210&gt; 8135

&lt;211&gt; 105

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8135

Pro Arg Val Arg Pro Arg Val Arg Pro Arg Val Arg Pro Gly Leu Asn  
1 5 10 15

Ser Cys Asp Gln Asn Ser Leu Leu Pro His Pro Ala Pro Ser Thr Ser  
20 25 30

Cys Pro Leu Phe His Leu Pro Pro Ser Gln Arg Pro Gln Pro Leu Phe  
35 40 45

Gln Ala Gln Gly Cys Arg Arg Gly Lys Glu Glu Thr Gly Ser Pro Glu  
50 55 60

Arg Ala Lys Gly Leu Pro Arg Gly Ala Asn His Ala Pro Asp Tyr Tyr  
65 70 75 80

Leu Arg Ala Phe Trp Ala Leu Thr Ser Ala Trp Pro Pro Ala His Ala  
85 90 95

Leu Arg Pro Val Gly Glu Gly Trp Ser  
100 105

&lt;210&gt; 8136

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7230

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8136

Gly	Gln	Pro	Xaa	Tyr	Ala	His	Asp	Thr	Val	Leu	Glu	Xaa	Asn	Gln	Xaa
1				5					10					15	

Xaa	Xaa	Val	Lys
			20

&lt;210&gt; 8137

&lt;211&gt; 80

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8137

Ile	Gln	Leu	Gly	Glu	Pro	Ala	Gly	Leu	Val	Arg	Gln	His	Leu	Gly	Leu
1				5				10					15		

Cys	Gln	Gln	Gln	Glu	Val	Lys	Arg	Ser	His	Ser	Tyr	Leu	Ser	Leu	Pro
			20				25						30		

Leu	Pro	Pro	Ala	Pro	Cys	Val	Gly	Thr	Gln	Thr	Trp	Arg	Asp	Pro	Ser
			35				40					45			

Ala	Val	Asn	Thr	Ser	Ile	Leu	Phe	Leu	Pro	Lys	Glu	Gln	Ile	Pro	Arg
		50				55					60				

His	Leu	Leu	Leu	Gly	Leu	Ser	Arg	Phe	Ile	Cys	Arg	Pro	Ser	Gln	Arg
65						70				75					80

&lt;210&gt; 8138

&lt;211&gt; 81



## 7231

<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (21)

7232

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8138

Asn	Xaa	Xaa	Xaa	Xaa	Xaa	Asn	Xaa	Xaa	Lys	Ile	Ile	Tyr	Lys	Xaa	Ser
1					5				10					15	

Ser	Phe	Pro	Xaa	Xaa	Lys	Thr	Glu	Pro	Lys	Gly	Trp	Gln	Asp	Arg	Thr
			20					25					30		

Leu	Ser	Arg	Phe	Leu	His	His	Leu	His	Lys	Phe	Leu	Val	Asp	Gly	Ile
		35					40					45			

Leu	Leu	Phe	Glu	Gly	Cys	Phe	Glu	Ser	Gly	Phe	His	Val	Leu	Val	Ile
	50					55					60				

Phe	Gly	Phe	Leu	Gly	Ala	Leu	His	Ser	Ala	Gly	Ile	Lys	Gln	Pro	Trp
65					70					75					80

Lys

&lt;210&gt; 8139

&lt;211&gt; 105

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

## 7233

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8139

Gly	Tyr	Gly	Ser	His	Leu	Ser	Xaa	His	Cys	Leu	Glu	His	Xaa	Thr	Leu
1				5				10					15		

Pro	Leu	Asn	Ser	Leu	Leu	Arg	Xaa	Lys	Xaa	Ser	Ala	Leu	Xaa	Thr	Pro
			20					25					30		

Leu	Ala	Leu	Xaa	Leu	Ala	Ser	Ala	Pro	Gln	Gly	Ser	Pro	Ser	Ala	Pro
			35				40					45			

Leu	Ala	Ser	Thr	Pro	Ile	Lys	Trp	Thr	Xaa	Val	Cys	Lys	Phe	Asn	Gly
		50				55					60				

His	Ser	Phe	Pro	Pro	Met	Ser	Gln	Leu	Ala	Ser	Ser	Leu	Pro	Ala	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

7234

65                      70                      75                      80  
Ile Ser Pro Xaa Xaa Xaa Pro Xaa Pro Leu Gly Leu Xaa Pro Gln Leu  
                         85                      90                      95  
Phe Lys Gly Ser Pro Ala Leu Asn Arg  
                         100                      105

&lt;210&gt; 8140

&lt;211&gt; 60

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8140

Glu Asn His Val Tyr Leu Phe Pro Pro Tyr Val Lys Asp Phe Leu Leu  
1                      5                      10                      15  
Val Val His Ser Ala Leu Ile Leu Tyr Ser Leu Pro Arg Arg Val Ser  
                         20                      25                      30  
Leu Gly Thr Ile Leu Tyr Arg Lys Gln Val Tyr Ser Asp His Ile Gln  
                         35                      40                      45  
Asp Lys Cys Thr Glu Glu Asn Thr Val Phe Thr Leu  
                         50                      55                      60

&lt;210&gt; 8141

&lt;211&gt; 66

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7235

<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (48)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

## 7236

&lt;222&gt; (58)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8141

Pro Xaa Xaa Xaa Xaa Glu Xaa Cys Leu Ala Ala Xaa Xaa Val Leu Asp  
 1 5 10 15

Leu Xaa Ile Ala Leu Leu Glu Val Leu Lys Thr Ala Leu Xaa His Xaa  
 20 25 30

Gly Leu Ser Arg Gly Ile Pro Gln Ala Ala Xaa Asp Leu Tyr Lys Xaa  
 35 40 45

Val Tyr Xaa Ser Gln Tyr Cys Gly Phe Xaa Gln His Gly Thr Lys Leu  
 50 55 60

Pro Pro

65

&lt;210&gt; 8142

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8142

Tyr Asn Thr Ala Xaa Asp Xaa Ala Ser Ala Ser Asp Val Val Tyr Gly  
 1 5 10 15

Asn Val Leu Phe Gln Leu Asn Cys Asn Xaa Lys Ile Trp Pro His Pro  
 20 25 30

Phe Tyr Ser  
 35

7237

<210> 8143  
<211> 24  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8143  
Gly Pro Gly Leu Cys Glu Xaa Ile Lys Xaa Trp Trp Pro Arg Cys Ala  
1 5 10 15  
Cys Ser Xaa Cys Leu His Val Pro  
20

<210> 8144  
<211> 55  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (50)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

7238

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (55)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8144  
Pro Tyr Ile Xaa Ile Cys Tyr Thr Pro Pro Ala Pro Ser Pro Ser Glu  
1 5 10 15  
Thr Pro Val Pro Ser Gln Gly Gln Leu Cys Gln Thr Pro Leu Pro Gly  
20 25 30  
Leu Pro Ser Cys His His Lys Gln Lys Lys Lys Arg Gly Gly Pro Pro  
35 40 45  
Lys Xaa Xaa Xaa Ile Phe Xaa  
50 55

<210> 8145  
<211> 102  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (43)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>



## 7239

<221> SITE  
 <222> (53)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (69)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (73)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (80)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (88)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8145  
 Pro Gln Lys Gly Leu Pro Leu Lys Xaa Pro Pro Glu Thr Phe Leu Thr  
           1                  5                  10                  15  
 Leu Asn Lys Lys Gly Gly Glu Lys Lys Gly Leu Trp Gly Val Glu Pro  
                   20                  25                  30  
 Xaa Pro Leu Trp Ala Gln Arg Gly Phe Lys Xaa Pro Gly Gly Phe Pro  
           35                  40                  45  
 Pro Gly Xaa Lys Xaa Phe Pro Pro Pro Arg Gly Gly Val Phe Pro Glu  
           50                  55                  60  
 Lys Pro Pro Pro Xaa Arg Ala Arg Xaa Phe Ser Pro Gly Phe Gly Xaa  
           65                  70                  75                  80  
 Pro Pro Pro Phe Phe Gly Gly Xaa Ser Pro Pro Pro Pro Lys Lys Lys  
                   85                  90                  95  
 Lys Lys Lys Phe Phe Gly  
                   100

<210> 8146  
 <211> 118  
 <212> PRT

7240

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7241

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7242

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (94)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (95)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (102)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8146

Xaa	Met	Xaa	Arg	Leu	Asn	Cys	Cys	Gly	Xaa	Xaa	Xaa	Xaa	Xaa	Asp	Xaa
1				5					10					15	

Asp	Asp	Ser	Pro	Tyr	Phe	Thr	Tyr	Asn	Arg	Ser	Phe	Thr	Pro	Ile	Leu
			20					25					30		

Leu	Val	Ile	Thr	Ile	Ser	Pro	Xaa	His	Pro	Xaa	Xaa	Pro	Val	Pro	Leu
		35					40					45			

Arg	Lys	Asp	His	Asp	Gln	Xaa	Ser	Ile	Gly	Xaa	Leu	Leu	Xaa	Thr	Phe
	50					55					60				

Cys	Xaa	Thr	Ser	Glu	Leu	Met	Xaa	Xaa	Xaa	Gly	Val	Val	Leu	Ala	Val
65					70					75					80

Gly	Ile	Xaa	Gly	Leu	Glu	Leu	Ala	Ala	Met	Ile	Xaa	Ser	Xaa	Xaa	Leu
				85					90					95	

Leu	Leu	Gln	Ser	Thr	Xaa	Asn	Pro	Leu	Thr	Ala	Ser	Ala	Thr	Asn	Gly
			100					105						110	

Cys	Pro	Pro	Gly	Asn	Ser
					115

&lt;210&gt; 8147

&lt;211&gt; 142

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7243

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<223> Xaa equals any of the naturally occurring L-amino acids

7244

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (142)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8147

Thr Pro Gly Gly Ser Pro Gly Gly Lys Asn Phe Pro Pro Pro Gly Gly  
 1 5 10 15

Val Ser Gly Lys Pro Pro Gln Pro Gly Pro Gly Ser Pro Gly Lys Pro  
 20 25 30

Pro Lys Lys Ile Phe Lys Lys Xaa Ile Trp Gly Phe Lys Lys Glu Thr  
 35 40 45

Pro Phe Pro Trp Glu Arg Xaa Pro Pro Lys Xaa Xaa Phe Phe Phe Gly  
 50 55 60

Phe Pro Pro Gln Ile Pro Phe Pro Leu Thr Pro Pro Pro Leu Ser Xaa  
 65 70 75 80

Pro Lys Thr Leu Gly Pro Phe Leu Thr Gln Gly Lys Asn Trp Gly Glu  
 85 90 95

Ile Pro Asn Trp Val Ser Pro Pro Pro Leu Phe Xaa Phe Gly Phe Trp  
 100 105 110

Xaa Arg Gly Leu Gly Asn Pro Lys Pro Phe Leu Lys Xaa Xaa Gly Pro  
 115 120 125

Phe Phe Pro Pro Leu Xaa Pro Phe Pro Pro Phe Trp Xaa Xaa  
 130 135 140

&lt;210&gt; 8148

&lt;211&gt; 76

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8148

Gln Arg Arg Ala Ala Glu Gly Gly Gly Val Ser Asn Pro Pro Ala Leu  
 1 5 10 15

Arg Lys Asn Gly Ala Leu Leu Ile Ser Pro Leu Pro Phe Ser Pro Ala  
 20 25 30

7245

Pro Arg Thr Gly Pro Leu Leu Gly Gly Ala Val Gly Pro Arg Leu Ala  
35 40 45

His Thr Glu Asn Val Arg Thr Thr Asn Lys Ile Ser Ile Lys Leu Asn  
50 55 60

Phe Val Ser Lys Lys Lys Lys Lys Gly Arg Pro Xaa  
65 70 75

&lt;210&gt; 8149

&lt;211&gt; 136

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (59)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7246

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (114)  
<223> Xaa equals any of the naturally occurring L-amino acids



7247

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (121)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (127)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8149

Thr	Pro	Xaa	Gly	Val	Ser	Pro	Gly	Gly	Glu	Xaa	Ile	Phe	Pro	Pro	Pro
1				5					10					15	

Gly	Gly	Gly	Phe	Xaa	Gly	Lys	Thr	Pro	Pro	Lys	Pro	Gly	Pro	Gly	Phe
			20					25					30		

Pro	Pro	Gly	Pro	Leu	Gly	Gly	Phe	Lys	Xaa	Leu	Gly	Gly	Pro	Xaa	Thr
		35					40					45			

Gln	Xaa	Arg	Pro	Pro	Phe	Gly	Gly	Pro	Lys	Xaa	Pro	Xaa	Val	Leu	Xaa
	50					55					60				

Xaa	Xaa	Pro	Pro	Gly	Pro	Leu	Lys	Thr	Pro	Xaa	Pro	Pro	Arg	Glu	Thr
65					70					75				80	

Asn	Pro	Leu	Ser	Pro	Pro	Ser	Gln	Pro	Pro	Thr	Lys	Pro	Xaa	Xaa	Lys
				85					90					95	

Pro	Pro	Phe	Gly	Lys	Xaa	Gly	Lys	Xaa	Lys	Gly	Glu	Gly	Gly	Gly	Leu
			100					105					110		

Gly	Xaa	Lys	Pro	Leu	Gly	Gly	Ile	Xaa	Gly	Phe	Trp	Ala	Gln	Xaa	Gly
		115					120					125			

Glu	Glu	Thr	Ser	Lys	Gly	Ser	Leu
		130				135	

&lt;210&gt; 8150

&lt;211&gt; 149

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7248

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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>  
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<220>  
<221> SITE

## 7249

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 <220>  
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 <400> 8150  
 Thr Xaa Pro Leu Gly Pro Arg Xaa Xaa Asn Pro Gly Gly Phe Pro Gly  
 1 5 10 15  
 Gly Xaa Asn Phe Pro Pro Arg Gly Gly Phe Pro Xaa Thr Pro Pro Asn  
 20 25 30  
 Arg Ala Gly Phe Pro Arg Glu Arg Gly Pro Asn Phe Pro Pro Pro  
 35 40 45  
 Phe Ser Gln Pro Lys Asn Gln Arg Phe Lys Xaa Lys Xaa Thr Pro Xaa  
 50 55 60  
 Asn Xaa Thr Xaa Gly Leu Gly Lys Thr Phe Phe Leu Gly Gly Gly Glu  
 65 70 75 80  
 Thr Phe Ser Leu Gly Lys Xaa Asn Ser Gln Gly Pro Gly Ser Pro Phe  
 85 90 95

## 7250

Asn Pro Gln Lys Gly Lys Pro Pro Pro Lys Gly Pro Pro Gln Lys Pro  
                   100                                  105                                  110

Phe Gln Lys Gly Pro Leu Thr Gln Gly Pro Lys Xaa Gln Gly Pro Thr  
                   115                                  120                                  125

Xaa Phe Pro Pro Gln Lys Xaa Pro Xaa Gly Pro Trp Xaa Pro Xaa Thr  
                   130                                  135                                  140

Lys Val Ser Asn Xaa  
 145

<210> 8151

<211> 71

<212> PRT

<213> Homo sapiens

<220>

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<220>

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<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids.

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8151

Ala Gly Arg Gly Leu Asn Ser Gly Gly Gly Ser Gly Ala Gly Cys Asp  
           1                                  5                                  10                                  15

Thr Lys His His Gln Ile Gly Gly Gly Met Trp Gly Lys Asn Arg Ser  
                   20                                  25                                  30

Leu Xaa Glu Gln Ser His Pro Arg Gln Ala Gly Ala Pro Glu Trp Ile  
                   35                                  40                                  45

Glu Xaa Val Val Pro Glu Leu Gly Ser Leu Gly Arg Thr Xaa Xaa Leu

## 7251

50

55

60

Glu Met Lys Pro Gly Val Leu  
65 70

&lt;210&gt; 8152

&lt;211&gt; 166

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (59)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7252

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## 7253

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<220>  
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<220>  
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<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>  
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 <222> (154)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8152  
 Ile Lys Gly Gly Glu Lys Lys Ala Leu Gly Val Gly Pro Pro Pro Phe  
   1                  5                  10                  15  
 Gly Pro Arg Xaa Phe Asn Pro Xaa Gly Phe Pro Arg Gly Xaa Xaa Phe  
                   20                  25                  30  
 Ser Pro Pro Gly Gly Val Ser Arg Lys Pro Pro Gln Thr Gly Pro Gly  
           35                  40                  45  
 Phe Pro Arg Xaa Lys Gly Pro Leu Ile Ser Xaa Xaa Xaa Lys Xaa Lys

7254

50		55		60
Xaa Pro Xaa Pro Asn Xaa Pro Leu Gly Phe Leu Gly Lys Xaa Trp Glu				
65		70		75 80
Lys Lys Gly Leu Gly Gly Xaa Ile Trp Pro Xaa Lys Xaa Asn Xaa Lys				
	85		90	95
Xaa Phe Phe Leu Asn Phe Xaa Xaa Xaa Phe Gly Phe Phe Pro Leu Phe				
	100		105	110
Gly Phe Pro Xaa Asn Pro Trp Ala Leu Phe Phe Xaa Xaa Phe Ser Pro				
	115		120	125
Pro Pro Phe Leu Gly Leu Gly Leu Ala Leu Gly Phe Pro Lys Lys Xaa				
	130		135	140
Phe Phe Leu Gly Gly Leu Ile Ser Gln Xaa Lys Lys Asn Leu Lys Lys				
145		150		155 160
Pro Asn Phe Trp Glu Lys				
	165			

&lt;210&gt; 8153

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8153



## 7255

His Arg Pro Lys Gly Phe Leu Xaa Ile Xaa Gly Thr Phe Asn Leu Asn  
 1 5 10 15

Lys Gly Gly Lys Lys Gly Phe Gly Val Gly Pro Xaa Pro Trp Ala Lys  
 20 25 30

Xaa

<210> 8154

<211> 108

<212> PRT

<213> Homo sapiens

<220>

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<222> (26)

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<220>

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<222> (89)

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<220>

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<222> (92)

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<220>

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<222> (96)

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## 7256

&lt;400&gt; 8154

His Val Ala Cys Gly Leu Leu Trp Ile Tyr Leu Ser Pro Ser Ala His  
 1 5 10 15

Leu Asn Leu Asp Gly Val Gly Gln Met Xaa Glu His Leu Gly Tyr Ala  
 20 25 30

Phe Phe Lys Val Ile Phe Phe Lys Asn Cys His Met Xaa Phe Val Glu  
 35 40 45

Leu Trp Asn Leu Leu Leu Cys Leu Gly Leu Trp Thr Val Asn Asn Ile  
 50 55 60

Phe Leu Lys Ile Cys Thr Ile Ala Xaa Arg Val Leu Leu Ser Lys Val  
 65 70 75 80

Leu Leu Thr Leu Ile Phe Xaa Val Xaa Ala Trp Xaa Pro Leu Gln Xaa  
 85 90 95

Thr Phe Ser Leu Leu Asn Trp Leu Pro Cys Leu Phe  
 100 105

&lt;210&gt; 8155

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8155

Asn Xaa Phe Xaa Asp Phe Val Val Phe Leu Ile Lys Asn Lys Gly Phe

7257

1	5	10	15
Xaa Xaa Pro Phe Phe			
	20		

&lt;210&gt; 8156

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8156

Lys	Leu	Arg	His	Xaa	His	Phe	Leu	Pro	Met	Trp	Ser	Leu	Xaa	Thr	Trp
1				5					10					15	

Glu	Thr	Ile	His	Glu	Val	Tyr	Ile	Leu	Tyr	Gly	Asn	Ile	Val	Ile	Ala
				20				25					30		

Gln	Xaa	Gln
		35

&lt;210&gt; 8157

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

7258

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8157

Arg Lys Leu Val His Tyr Ile Phe Pro Asp Gln Ala Gly Xaa Glu Gln

1

5

10

15

Xaa Val His Ile Tyr Xaa

20

&lt;210&gt; 8158

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7259

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8158

Pro	His	Phe	Pro	Ala	Gly	Ile	Xaa	Lys	Xaa	Thr	Arg	Val	Pro	Arg	Met
1				5				10					15		

Gly	Phe	Cys	Phe	Leu	Lys	Lys	Lys	Lys	Glu	Gly	Xaa	Leu	Xaa	Gly	Leu
			20					25				30			

Lys	Phe	Ala	Trp	Xaa	Ser	Ile	Arg	Xaa	Arg	Ile	Leu	Cys	Pro	Ser	Xaa
		35					40					45			

&lt;210&gt; 8159

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7260

&lt;400&gt; 8159

Ala Xaa Val Xaa Thr Leu Leu Arg Lys Ala Xaa Tyr Gly Leu Gln Val  
 1 5 10 15

Xaa Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Ser Arg Xaa Ala  
 20 25 30

&lt;210&gt; 8160

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8160

Phe Phe Gly His Xaa Pro Pro Phe Phe Phe Leu Ser Xaa Xaa Pro Pro  
 1 5 10 15

Phe Phe Phe Lys Lys Lys Lys Gly Gly Ala Pro Pro Pro Phe Xaa Gly  
 20 25 30

&lt;210&gt; 8161

&lt;211&gt; 33

## 7261

<212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (31)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8161  
 Xaa Phe Gly Xaa Xaa Pro Pro Phe Phe Leu Ile Xaa Xaa Pro Pro Phe  
   1                  5                  10                  15  
 Phe Leu Lys Lys Lys Gly Gly Ala Pro Pro Leu Phe Trp Gly Xaa Pro  
                   20                  25                  30

Lys

<210> 8162  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens

<220>

## 7262

<221> SITE  
 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (27)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 8162  
 Xaa Pro Pro Phe Phe Phe Lys Lys Lys Lys Xaa Ile Phe Phe Xaa Phe  
   1                  5                  10                  15  
  
 Phe Phe Trp Gly Ala Pro Pro Pro Pro Phe Xaa Phe Lys Lys Lys Lys  
           20                  25                  30  
  
 Lys Lys

<210> 8163  
 <211> 62  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (28)  
 <223> Xaa equals any of the naturally occurring L-amino acids



## 7263

<220>  
 <221> SITE  
 <222> (38)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (57)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (62)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8163  
 Gln Arg Lys Xaa Gly Thr Ala Gln Val Pro Xaa Arg Asn Ser Arg Val  
           1                  5                  10                  15  
 Asp Pro Arg Val Arg Gln Gly Leu Gly Ala Ala Xaa Pro Leu Leu His  
                   20                  25                  30  
 Pro Asp Gln Val Pro Xaa Xaa Leu Pro Ala Phe Phe His Leu Lys Lys  
           35                  40                  45  
 His Pro Pro Ser Pro Phe Asp Leu Xaa Glu Pro Pro Gly Xaa  
           50                  55                  60

<210> 8164  
 <211> 53  
 <212> PRT  
 <213> Homo sapiens

<400> 8164  
 Lys Lys Cys Lys Leu Ser Leu Tyr Phe Asn Ile Cys Tyr Ser Leu Met  
           1                  5                  10                  15  
 Asn Arg Asn Leu Cys Arg Arg Lys Gln Asn Thr Phe Thr His Leu Lys  
                   20                  25                  30  
 Arg Glu Tyr Asn Ile Leu Cys His Tyr Asn Leu Leu Phe Phe Lys Leu  
           35                  40                  45  
 Val Tyr Ile Leu Leu

7264

50

&lt;210&gt; 8165

&lt;211&gt; 72

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8165

Phe Thr Leu Thr Thr Ser Phe Ala Phe Leu Glu Ala Met Gln Tyr Arg  
1 5 10 15

Arg Asp Tyr Arg Val Asn Leu Leu Phe Thr Asn Glu Ala Lys Arg Ser  
20 25 30

Leu Ile Gly Ser Gln Ser Cys Ser Ser Tyr Cys Pro Pro Leu Tyr Ser  
35 40 45

Gln Met Gln Asp Asn Cys Ile Leu Val Leu Phe Cys Gly Gly Ala Glu  
50 55 60

Tyr Leu Leu Phe Leu Ser Asn Pro  
65 70

&lt;210&gt; 8166

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7265

&lt;400&gt; 8166

Xaa Val Trp Tyr Pro Cys Xaa Tyr Arg Ser Gly Xaa Pro Gly Ser Thr  
1 5 10 15

His Ala Ser Gly Arg Xaa Arg Glu Val Val Lys Tyr Val Leu Phe Gly  
20 25 30

Pro Gly

&lt;210&gt; 8167

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8167

Tyr Xaa Xaa Glu Asp Leu Gln Lys Pro Ala Arg Gly Tyr Asp Gly Lys  
1 5 10 15

Lys Gln Met Lys Xaa Gly Gln Ala  
20

&lt;210&gt; 8168

&lt;211&gt; 82

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7266

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (25)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (57)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (61)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (62)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (74)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (79)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8168  
 Ala Thr Ala Pro Cys Cys Pro Xaa Pro Pro Leu Leu Pro Leu Ser Asn  
 1 5 10 15  
 Asp Leu Leu Cys Pro Xaa Ser Gln Xaa Leu Leu Asp Pro Glu His Leu  
 20 25 30  
 Glu Gln Pro Ala Gly Gly Phe Gly Arg Leu Thr Leu Val Val Leu Ile  
 35 40 45  
 Ser Trp Leu His Ser Ser Gln Trp Xaa Glu Pro Ala Xaa Xaa Leu Ser  
 50 55 60  
 His Arg Glu Leu Glu Gln Lys Ser Cys Xaa Ser Asn Ser Trp Xaa Trp  
 65 70 75 80

7267

Thr Pro

&lt;210&gt; 8169

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8169

Lys	Val	Lys	Phe	Leu	Glu	Asp	Lys	Asn	Ser	His	Pro	Xaa	Gly	Ala	Phe
1				5				10						15	

Xaa Arg Ile

&lt;210&gt; 8170

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

7268

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8170

Phe Cys Ala Leu Lys His Trp Arg Glu Arg Ile Arg Ile Glu Trp Glu  
1 5 10 15

Thr Xaa Phe Ala Gln Xaa Phe Xaa Gly Ile Gly Ala Xaa  
20 25

&lt;210&gt; 8171

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8171

Asp Val Lys Ile Gln Tyr Lys Leu Glu Glu Phe Cys Ile Ile Ile Ile  
1 5 10 15

Ile Gln Asn Ile Gly Arg Val His Asn Val Ile Lys Cys Xaa Ser Xaa  
20 25 30

Ser Asn Glu Xaa Thr Phe Asp Lys Leu Leu Leu Lys Met Leu Pro Phe  
35 40 45

&lt;210&gt; 8172

&lt;211&gt; 57

&lt;212&gt; PRT

7269

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8172

Glu	Xaa	Ser	Ser	Ile	Xaa	Leu	Gly	Xaa	Tyr	Pro	Cys	Arg	Tyr	Thr	Val
1				5					10					15	

Arg	Asn	Ser	Arg	Val	Asp	Pro	Arg	Val	Arg	Val	Val	Pro	Pro	Asn	Ile
				20					25					30	

Ser	Gln	Ala	Ser	Thr	Lys	Ala	Leu	Ser	Ser	Ser	Val	Arg	Val	Trp	Thr
		35					40						45		

Gly	Phe	Thr	Gly	Pro	Xaa	Xaa	Ile	Asp
	50					55		

&lt;210&gt; 8173

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7270

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8173

Pro	Gly	Asp	Pro	Cys	Cys	Glu	Ala	Lys	Gly	Gly	Met	Thr	Arg	Gly	Gly
1				5					10					15	

Lys	Xaa	Ser	Xaa	Arg	Thr
				20	

&lt;210&gt; 8174

&lt;211&gt; 73

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;



7271

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (64)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8174

Gly	Gly	Cys	Gly	Xaa	Leu	Gly	Ala	Phe	Lys	Asn	Ser	Asn	Phe	Xaa	Pro
1				5					10					15	

Val	Asn	Pro	Xaa	Gly	His	Trp	Ala	Xaa	Lys	Xaa	Lys	Gly	Ile	Leu	Xaa
			20					25					30		

Trp	Leu	Trp	Glu	Arg	Phe	Val	Lys	Asn	Gly	Glu	Pro	Gly	Phe	Lys	Ile
		35					40					45			

Lys	Pro	Trp	Xaa	Phe	Phe	Lys	Pro	Lys	Gly	Lys	Xaa	Gly	Phe	Phe	Xaa
	50					55					60				

Leu	Lys	Lys	Xaa	Lys	Leu	Leu	Gly	Pro
65					70			

&lt;210&gt; 8175

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8175

Ala	Ser	Ser	Ser	Arg	Asp	Pro	Arg	Thr	Pro	Ala	Gly	Pro	Gly	Leu	Gly
1				5					10					15	

Val	Asn	Arg	Ala	Ser	Val	Ser	Ala	Ser	Ile	Pro	Phe	Ala	Phe	Gly	Asn
			20					25					30		

Phe	Ser	Cys	His	Leu	Phe	Met	Asn	Ile
		35				40		

7272

<210> 8176  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (17)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8176  
 Xaa Thr Ile Trp His His Phe Gly Gly Phe Trp Lys Ile Xaa Pro Xaa  
           1                  5                  10                  15

Xaa

<210> 8177  
 <211> 71  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (57)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8177  
 Thr Ser Glu Val Ser Ser Cys Trp Gly Gln Asp Pro Cys Leu Val Ser  
           1                  5                  10                  15

## 7273

Met Ala Gly Lys Ala Val Ser Leu Pro Ser Cys Gly His Gln Pro Gln  
                   20                  25                  30

Pro Pro Ser Gly Gly His Pro Gly Ser Ile Ser Pro Gly Glu Lys Tyr  
           35                  40                  45

Arg Ser Phe Thr Phe Pro Gly Tyr Xaa Pro Ser Arg Asn Val His Arg  
       50                  55                  60

Glu Ser Gly Asn Leu Trp Ser  
   65                  70

&lt;210&gt; 8178

&lt;211&gt; 124

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (79)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (86)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (95)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

7274

&lt;222&gt; (110)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8178

Gln Ala Pro Gln Glu Asp Gly Pro Trp Thr Lys Ala Val Thr Pro Pro  
 1 5 10 15

Val Lys Asp Asp Asn Glu Asp Val Phe Ser Ala Arg Ile Gln Lys Met  
 20 25 30

Leu Gly Ser Cys Val Ser His Ala Thr Phe Asp Asp Asp Leu Pro Gly  
 35 40 45

Val Xaa Asn Leu Ser Glu Phe Lys Lys Leu Pro Glu Met Ile Arg Pro  
 50 55 60

Xaa Ser Ala Ile Ser Ser Phe Xaa Val Arg Ser Pro Gly Pro Xaa Pro  
 65 70 75 80

Gln Gly Leu Leu Ala Xaa Leu Cys Lys Arg His Thr Asp Ser Xaa Ser  
 85 90 95

Ser Asp Met Gln Ala Cys Ser Gln Asp Lys Ala Lys Ile Xaa Leu Gly  
 100 105 110

Ser Ser Ile Asp Ser Val Ser Glu Met Ala Ser Ser  
 115 120

&lt;210&gt; 8179

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8179

Pro Asn Ile Ser Pro Leu Ile Gly Ile Phe Ser Lys Asn Gln Leu Ile  
 1 5 10 15

Thr Cys Val Leu Asp Leu Val Ile Cys Ala Pro Gly Arg His Thr Phe  
 20 25 30

Ser Trp Phe  
 35

&lt;210&gt; 8180

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

7275

<220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (8)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 8180  
 Glu Thr Tyr Leu Ile Met Xaa Xaa Met Glu Ile Thr Leu Xaa Leu Xaa  
   1                  5                  10                  15

Tyr

<210> 8181  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (8)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 7276

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8181

Trp Xaa Ser Leu Ala Leu Xaa Xaa Lys Cys Met Pro Trp Met Asp Xaa  
 1 5 10 15

Met Ser Tyr Ser Ser Tyr Gly Glu Tyr Asp Ala Trp Ala His Ile  
 20 25 30

&lt;210&gt; 8182

&lt;211&gt; 152

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (122)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (138)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (150)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (152)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8182

Gly Arg Gln Leu Pro Arg Ser Arg Arg Ser Arg Val Phe Ala Asp Arg  
 1 5 10 15

Pro Thr Lys Ser Ser Met Arg Ser Ala Ala Lys Pro Trp Asn Pro Ala  
 20 25 30

Ile Arg Ala Gly Gly His Gly Pro Asp Arg Val Arg Pro Leu Pro Ala  
 35 40 45

Ala Ser Ser Gly Met Lys Ser Ser Lys Ser Ser Thr Ser Leu Ala Phe  
 50 55 60

7277

[illegible]

```
<210> 8183
<211> 23
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids
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```
<400> 8183
Ala Gln Gly Leu Leu Leu Pro Ser Pro Pro Pro Pro Val Thr Trp Xaa
      1              5              10              15
```

Ile Asn Leu Xaa Gly Ile Cys  
20

```
<210> 8184
<211> 25
<212> PRT
<213> Homo sapiens
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<220>  
<221> SITE

## 7278

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8184

Xaa	Val	Thr	Leu	Val	Thr	Gly	Xaa	Val	Pro	Arg	Trp	Xaa	Arg	Ala	Ala
1				5					10					15	

Ala	Ala	Arg	Asp	Ala	Xaa	Glu	Glu	Ala
			20					25

&lt;210&gt; 8185

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8185

Asn	Ile	Arg	Thr	Leu	Cys	Phe	Thr	Lys	Asn	Asp	Glu	Arg	Ile	Leu	Pro
1				5					10					15	

His	Val	Leu	Leu	Cys	Leu	Glu	His	Phe	Tyr	Gly	Pro	Lys	Arg	Trp	Arg
			20					25						30	

Arg	Cys	Cys	Met	Ser	Ala	Gly	Phe	Phe	Phe	Ser	Tyr	Thr	Arg	Ala	Arg
			35				40						45		

Lys	Asn
	50

&lt;210&gt; 8186

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens



7279

<220>  
 <221> SITE  
 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (26)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (29)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (30)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (33)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8186  
 Xaa Tyr Pro Trp Thr Ile Arg Leu Leu Arg Glu Ser Trp Tyr Ala Cys  
       1                  5                  10                  15  
 Arg Tyr Arg Ser Gly Ile Pro Gly Ser Xaa His Ala Xaa Xaa Tyr Ile  
                   20                  25                  30  
 Xaa Xaa

<210> 8187  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (4)

## 7280

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8187

Asn	Ser	His	Xaa	Leu	Phe	Gly	Lys	Leu	Pro	Ala	Cys	Arg	Xaa	Arg	Xaa
1				5				10					15		

Gly	Ile	Pro	Gly	Ser	Xaa	His	Ala	Phe	Xaa	Thr	Asp	Ala
			20					25				

<210> 8188

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7281

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (52)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8188  
 Ser Val Cys Asn Leu Ala Tyr Val Asn Ala Val Met Lys Leu Val Cys  
           1                  5                  10                  15  
 Ser Ser Ile Thr Val Val Phe Lys His Ser Phe Ser Glu Ile Val Ile  
                   20                  25                  30  
 Xaa Xaa Ser Val Leu Met Cys Ala Ser Xaa Xaa Phe Thr Cys Phe Ser  
           35                  40                  45  
 Pro Gly Ile Xaa Lys Trp Arg  
           50                  55

<210> 8189  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (9)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (10)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8189  
 Ala Arg Xaa Ile Thr Thr Pro Val Xaa Xaa Val Leu Ile Lys Tyr Leu  
           1                  5                  10                  15  
 Val Ser Trp Gly Leu  
                   20

7282

&lt;210&gt; 8190

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8190

Xaa	Arg	Ile	Lys	Ser	His	Glu	Phe	Leu	Val	Lys	Asn	Phe	Ala	Ala	Leu
1				5					10					15	

Leu	Leu	Gly	Gly	Gly	Gly	Gly	Gln	Tyr	Thr	Thr	Glu	Met	Xaa	Tyr	Xaa
			20					25						30	

Lys	Xaa	Xaa
		35

&lt;210&gt; 8191

&lt;211&gt; 186

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

## 7283

<221> SITE  
 <222> (132)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (133)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (134)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (140)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (168)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (178)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (181)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (182)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 8191  
 Pro Gly Leu Gly Arg Phe Pro Leu Pro Ser Arg His Phe His Gly Pro  
 1 5 10 15  
 Ser Cys Pro Glu Thr Arg Leu Gln Asn Pro Thr Arg Pro Glu Trp His  
 20 25 30  
 Leu Pro Ser Gln Arg Gly Ala Phe Ala Lys Ser Thr Pro Thr Ala Gly  
 35 40 45  
 Arg Gln Ala Arg Ala Trp Lys Ser Lys Arg Gly Pro Ala Cys Pro Ala  
 50 55 60

7284

Pro Trp Ser Leu Gly Phe Thr Thr Arg His Arg Gln Asn Pro Gly Gly  
65 70 75 80

Asp Thr Gly Gly Lys Gly Pro Asn Gly Ala Arg Ala Gly Cys Cys Val  
85 90 95

His Pro Leu Ala Leu Ala Trp Pro Trp Leu Pro Ala Ser Pro Leu Ala  
100 105 110

Gly Asp Thr Val Cys Arg Gln Ser Pro Ser Leu Gly Cys Lys Ala Phe  
115 120 125

His Thr Arg Xaa Xaa Xaa Arg Glu Asp Pro Gly Xaa Gly Pro Gly Lys  
130 135 140

Pro Cys Met Leu Gly Thr Gln Val Val Leu Gly Lys Gly Gln Ala Trp  
145 150 155 160

Lys Gly Gly Gln Val Pro Lys Xaa Asn Val Thr Gly Leu Gly Ile Phe  
165 170 175

Leu Xaa Ala Leu Xaa Xaa Lys Ser Leu Lys  
180 185

<210> 8192

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8192

Glu Pro Arg Leu Trp Lys Met Xaa Arg Arg Ile Trp Gly Trp Asn Asp  
1 5 10 15

7285

Leu Met Glu Xaa Asn Thr Xaa  
20

&lt;210&gt; 8193

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8193

Ala Gln Gly Leu Leu Leu Pro Ser Pro Xaa Pro Pro Arg Xaa Gly Leu  
1 5 10 15

Ile Gly Gln Lys Leu Gln Xaa Xaa Leu Xaa Cys Leu Gln  
20 25

&lt;210&gt; 8194

&lt;211&gt; 76

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

## 7286

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8194

Lys	Ile	Val	Arg	Ala	Lys	Leu	Thr	Ser	Gly	Thr	Glu	Thr	Ser	Ala	Gln
1					5				10					15	

Arg	Ser	Asn	His	Gln	Ile	Ile	Leu	Asn	Thr	Asn	Leu	Ile	Phe	Phe	Phe
			20					25					30		

Leu	Asn	Glu	Lys	His	Glu	Gly	Asn	Cys	Gly	Val	Ser	Leu	Leu	Trp	Ser
		35					40					45			

Xaa	Pro	Pro	Val	Val	Xaa	Gly	Ile	Glu	Glu	Asn	Ile	Asn	Thr	Leu	Thr
	50					55					60				

Pro	Phe	Phe	Asn	Leu	Cys	His	Leu	Lys	Val	Leu	Ala
65					70					75	

&lt;210&gt; 8195

&lt;211&gt; 49

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



7287

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (49)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8195  
 Lys Gln Ile Phe Leu Lys Arg Tyr Phe Cys Asn Leu Xaa Asn Leu Xaa  
           1                  5                  10                  15  
 Phe Lys Ser Tyr Phe Ala Leu Gly Lys Ser Phe Gly Xaa Cys Ser Cys  
                   20                  25                  30  
 Phe Xaa Trp Phe Thr Cys Xaa Pro Ser Ser Pro Lys Xaa Phe Gly Leu  
           35                  40                  45

Xaa

<210> 8196  
 <211> 64  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (64)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8196  
 Arg Tyr Leu Ser Ser Glu Leu Lys Leu Pro Leu Ile Leu Ile Tyr Leu  
           1                  5                  10                  15  
 Ser Ile Gly His Trp Pro Phe Phe Ser Lys Tyr Ser Ile Lys Trp Glu  
                   20                  25                  30  
 Phe Ser Gly Arg Trp Val Ser Tyr Glu Val Ile Gly Val Cys Leu Ile  
           35                  40                  45  
 Ile Cys Asn Ser Asn Met Leu Tyr Phe Leu Lys Ser Met Gly Lys Xaa

7288

50

55

60

&lt;210&gt; 8197

&lt;211&gt; 62

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8197

Xaa Val Ser Phe Asp Leu Xaa Leu Thr Ser Val Ser Phe Phe Lys Pro

1

5

10

15

## 7289

Phe Met Ala Arg Val Ser Thr Ile Pro Ile Lys Glu Phe Ser Xaa His  
                   20                  25                  30

Pro Arg Ile His Lys Cys Val Leu Xaa His Ser Val Ile Arg His Gln  
                   35                  40                  45

Glu Leu Pro Leu Ile His Xaa Asp Phe Thr Tyr Xaa Asn Xaa  
                   50                  55                  60

&lt;210&gt; 8198

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8198

Gly Xaa Trp Pro Ala Cys Arg Tyr Arg Ser Gly Ile Ser Gly Ser Xaa  
       1                  5                  10                  15

Tyr Ala Thr Xaa Leu Arg Pro Gly Asp Asn  
                   20                  25

&lt;210&gt; 8199

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7290

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8199

Glu	Glu	Arg	Glu	Xaa	Xaa	Arg	Pro	Xaa	Gly	Ala	Glu	Gln	Asn	Gln	Gly
1				5					10					15	

Thr	Gln	Gln	Thr	Lys	Glu	Arg	Xaa	Arg	Arg	Thr	Gly	Pro	Asn	Pro	Thr
				20				25					30		

Arg	Xaa	Ala	Lys	Lys	Pro	Glu	Xaa	Xaa	Arg	Thr	Arg	Xaa	Ala
			35				40					45	

&lt;210&gt; 8200

&lt;211&gt; 87

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 7291

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>  
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<220>  
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<220>  
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<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

7292

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (64)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (73)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8200

Xaa Leu Lys Ala Arg Pro Ala Arg Thr Xaa Arg Arg Xaa Arg Cys Xaa  
1 5 10 15

Arg Pro Pro Arg Asn Pro Arg Gln Arg Arg Ser Xaa Trp Arg Thr Arg  
20 25 30

Ala Gln Gly Leu Ala Arg Arg Arg Arg Xaa Xaa Arg Xaa Pro Arg Thr  
35 40 45

Pro Arg Xaa His Arg Thr Pro Arg Ile Gln Arg Xaa Xaa Gly Pro Xaa  
50 55 60

Trp Pro Arg Trp Ile Pro Arg Thr Xaa Arg Pro Ala Arg Ala Arg Trp  
65 70 75 80

Ala Pro Trp Gly Lys Gly Pro  
85

&lt;210&gt; 8201

&lt;211&gt; 88

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7293

<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (88)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8201  
Asn Trp Ala Thr Xaa Val Asn Pro Arg Gly Val Xaa Pro Gly Gly Lys  
1 5 10 15  
Lys Xaa Ser Pro Arg Gly Gly Val Xaa Gly Lys Xaa Leu Gln Thr Gly  
20 25 30

## 7294

Pro Gly Phe Xaa Thr Gly Xaa Phe Phe Gly Lys Xaa Lys Leu Val Lys  
                   35                                  40                                  45

Leu Gly Gly Gln Leu Lys Gly Pro Phe Phe Leu Asn Gln Arg Gly Xaa  
           50                                  55                                  60

Thr Xaa Met Gly Ala Gln Met Gly Phe Leu Lys Gly Gly Pro Lys Arg  
      65                                  70                                  75                                  80

Val Lys Phe Pro Lys Lys Gly Xaa  
                                   85

<210> 8202

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8202

Val Xaa Phe Leu Ser His Asp Tyr Leu Thr Ala Lys His Leu Ile Gly  
      1                                  5                                  10                                  15

Leu Leu Leu Tyr His  
                                   20

<210> 8203

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)



## 7295

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8203

Gly	Pro	Glu	Phe	Xaa	Gly	Arg	Pro	Thr	Arg	Pro	Gly	Phe	Gln	Xaa	Xaa
1				5				10					15		

Leu	Ala	Leu	Ile	His	Phe	Gln	Xaa	Asp	Xaa	Gln	Gln	Ala	Phe	Phe	Pro
			20					25					30		

Gln Glu

<210> 8204

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

7296

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8204

Asn	Xaa	Glu	Pro	Leu	Ala	Xaa	Thr	Pro	Gly	Lys	Ser	Xaa	Gln	Thr	Phe
1				5					10					15	

Pro	Glu	Xaa	Cys	Pro	Ala	Cys	Arg	Tyr	Arg	Xaa	Xaa	Asn	Ser	Arg	Val
			20				25						30		

Xaa

&lt;210&gt; 8205

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7297

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8205

Val	Gly	Glu	Pro	Leu	Arg	Xaa	Thr	Pro	Gly	Glu	Ser	Pro	Xaa	Xaa	Phe
1				5					10					15	

Pro	Glu	Asn	Ser	Pro	Ala	Gly	Arg	Xaa	Thr	Val	Arg	Xaa	Xaa	Arg	Val
			20					25					30		

Xaa

&lt;210&gt; 8206

&lt;211&gt; 68

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8206

Ser	Phe	Arg	Ile	Met	Glu	Thr	Trp	Asn	Trp	Asn	Thr	Val	Leu	Val	Ala
1				5					10					15	

Phe	Arg	Thr	Ile	Ser	Thr	Arg	Gln	Gln	Asp	Thr	Pro	Thr	Arg	Ala	Val
			20					25					30		

Cys	Leu	Arg	His	Phe	Leu	Lys	Pro	Lys	Ser	Asn	Lys	Lys	Ala	Gln	Leu
			35					40				45			

Lys	Asn	Met	Ala	Ala	Ser	Leu	Thr	Phe	Pro	His	Tyr	Val	Ala	Phe	Glu
			50				55				60				

Phe	Leu	Asn	Ser
			65

&lt;210&gt; 8207

&lt;211&gt; 51

7298

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8207

Xaa Ala Ala Ser Val Ile His Ala Leu Pro Gly Pro Ser Thr His Cys  
1 5 10 15

Cys Glu Cys Ala Ser Pro Glu Pro Val Lys Arg Gln Leu Ser Ile Leu  
20 25 30

Glu Thr Gln Ile Ile Arg Ala Leu Pro Cys Thr Glu Glu Lys Gly Ser  
35 40 45

Thr Arg Pro  
50

&lt;210&gt; 8208

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8208

His Trp Asp Phe Xaa Arg Leu Tyr Ser Tyr Ile Val Pro Ile Ile Leu  
1 5 10 15

Xaa Val Leu Thr Asn Ser Phe Ile Xaa Ile Arg Thr Lys Trp Lys Asn  
20 25 30

Arg Lys Val Gly

7299

35

&lt;210&gt; 8209

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8209

Xaa	Arg	Arg	His	Leu	Leu	Thr	Leu	Lys	Glu	Gly	Thr	Leu	Pro	Leu	Gln
1				5				10						15	

Val	Pro	Val	Arg	Asn	Ser	Arg	Xaa	Xaa	Pro	Arg	Xaa	Xaa	Lys	Asn	Xaa
			20					25						30	

Lys

## 7300

<210> 8210  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (10)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (20)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (28)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (31)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8210  
 Leu Gln His Ala Arg His Ile Val Glu Xaa Xaa Thr Pro Cys Thr Tyr  
   1                  5                  10                  15  
 Arg Ser Gly Xaa Pro Gly Ser Thr His Ala Phe Xaa Thr Met Xaa Glu  
           20                  25                  30

Gly

<210> 8211  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (3)  
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## 7301

<220>  
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<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (25)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (26)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (27)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8211  
 Arg Phe Xaa Thr Leu Xaa Ser Gly Thr Pro Pro Gly Thr Gly Pro Glu  
 1 5 10 15  
 Phe Pro Gly Arg Pro Thr Xaa Pro Xaa Xaa Xaa Ser Asn Gln Lys Lys  
 20 25 30  
 Lys

<210> 8212  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (13)

## 7302

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8212

Ser	Glu	Xaa	Ala	Gly	Pro	Leu	Arg	Ala	Gly	Gly	Glu	Xaa	Glu	Ser	Leu
1					5				10					15	

Thr

<210> 8213

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8213

Phe	Leu	Ile	Arg	Asn	Met	Ile	Arg	Met	Cys	Xaa	Xaa	Thr	Thr	Xaa	Ala
1					5				10					15	

Phe	Xaa	Ile	Thr	Xaa	Leu	Thr	Tyr	Ile	Phe	Phe	Glu
			20					25			

<210> 8214



## 7303

<211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (17)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (18)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (19)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8214  
 Leu Val Lys Pro Pro Asn Gln Ile Val Asp Asp Trp Phe Xaa Ile Gly  
           1                  5                  10                  15  
 Xaa Xaa Xaa Asp Leu Leu  
                           20

<210> 8215  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8215  
 Asp Gln Glu Phe Gly Val Asp Val Gly Pro Xaa Glu Leu Phe Ile Asn  
           1                  5                  10                  15  
 Gln Thr Leu Tyr Glu  
                           20

7304

<210> 8216  
<211> 29  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8216  
Xaa Ile Asn Phe Xaa Tyr Ser Trp Xaa Tyr Cys Ile His Glu Ser His  
1 5 10 15

Ser Xaa Asn Asp Xaa Thr Pro Gly Lys Gly Asn Ile Ala  
20 25

<210> 8217  
<211> 33  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 7305

<221> SITE  
 <222> (21)  
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 <220>  
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 <220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (30)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 8217  
 Ala Asn Ser Thr Ile Ile Ser Xaa Glu Lys Asn Cys Thr Gly Lys Lys  
     1                    5                    10                    15  
  
 Tyr Thr Lys Leu Xaa Xaa Lys Lys Lys Lys Xaa Leu Gly Xaa Gly Thr  
                     20                    25                    30  
  
 Arg  
  
  
 <210> 8218  
 <211> 132  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
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 <222> (78)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
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 <220>  
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 <222> (96)  
 <223> Xaa equals any of the naturally occurring L-amino acids

## 7306

<220>  
 <221> SITE  
 <222> (115)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (126)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (130)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (131)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (132)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8218  
 Lys Gly Gly Pro Gly Gln Met Cys Pro His Ile Leu Ser Gly Glu Glu  
     1                    5                    10                    15  
 Asn Gly Gln Glu Arg Glu Ala Asp Pro Cys Ser Pro Cys Cys Tyr Val  
                     20                    25                    30  
 Arg Arg Cys Gly Thr Glu Glu Pro Arg Cys Gly Gln Gly Gln Ala Arg  
             35                    40                    45  
 Arg Gly Thr Lys Arg Asn Glu Ser His Ile Gly Gly Gly Cys Ser Glu  
     50                    55                    60  
 His Asn Ser Leu Ala Thr Ala Arg Ser Pro Leu Arg Thr Xaa Arg Ile  
     65                    70                    75                    80  
 Pro Gly Arg Gln Gln Val Ala Pro Xaa Arg Ala Pro Ala Pro Ala Xaa  
                     85                    90                    95  
 Cys Lys Glu Cys Lys Cys Thr Phe Cys Lys Lys Ser Cys Cys Ser Cys  
             100                    105                    110  
 Cys Pro Xaa Gly Cys Pro Ser Val Pro Met Leu Arg Leu Xaa Arg Gly  
             115                    120                    125  
 Ile Xaa Xaa Xaa

7307

130

&lt;210&gt; 8219

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8219

Glu	Asn	Ile	Xaa	Glu	Ser	Val	Ser	Ala	Met	Glu	Cys	Pro	Met	Gly	His
1				5					10					15	

Leu	Leu	Cys	Thr	Tyr	Cys	Leu	Xaa	Phe	Pro	Gln	Thr	Val	Ile	Phe	Leu
			20					25					30		

Asn	Thr	Ile	Asn	Tyr	Xaa	Asp	Glu	Lys	Lys	Asn
			35				40			

&lt;210&gt; 8220

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7308

<220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (27)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (31)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (37)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (50)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8220  
 Pro Thr Arg Val Ser Ala Xaa Leu Lys Thr Leu Leu Gly Lys Met Gly  
           1                  5                  10                  15  
 Thr Val Pro Xaa Glu Ser His Xaa Ser Asp Xaa Gln Tyr Phe Xaa Ile  
                   20                  25                  30  
 Ala Phe Asp Phe Xaa Val Leu Trp Asn Lys Cys Val Met Leu Cys Leu  
           35                  40                  45  
 Met Xaa Cys Ser  
           50

<210> 8221  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 7309

<221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (10)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8221  
 Asp Ile His Xaa Xaa Gln Xaa Ala Gly Xaa Xaa Thr Tyr Thr Asp Pro  
           1                  5                  10                  15

Val

<210> 8222  
 <211> 49  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8222  
 Ile Gly Leu Tyr Tyr Lys Thr Leu Phe Ser Asn Leu Tyr Phe Cys Ser  
           1                  5                  10                  15

Asn Val Asn Asp Asn Arg Thr Leu Leu Glu Lys Arg Pro Met Ile Leu  
                   20                  25                  30

Asn Ile Val Xaa Cys Gln Leu Ile Val Leu His Gln Ser Pro Tyr Ser  
           35                  40                  45

Cys

## 7310

&lt;210&gt; 8223

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8223

Xaa	Xaa	Trp	Asn	Leu	Xaa	Tyr	Arg	Leu	Ser	Trp	Tyr	Ala	Cys	Arg	Tyr
1				5				10					15		

Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Val	Lys	Xaa	Ser	Tyr
		20					25						30		

Ser	Leu	Ile	Phe	Val	Ile	Ser	Leu	Met	Gly	Xaa	Ile	Xaa	Glu	Xaa	Gly
		35					40						45		



## 7311

<210> 8224

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8224

Lys Glu Gly Phe Xaa Asn Tyr Xaa Xaa Val Arg Ala Gly Leu Thr Ile  
1 5 10 15

Glu Cys Asn Xaa Tyr Val  
20

<210> 8225

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 7312

&lt;221&gt; SITE

&lt;222&gt; (92)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (105)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (110)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8225

Leu	Pro	Pro	Tyr	Arg	Glu	Leu	Leu	Val	Gly	His	Leu	Asp	Leu	Leu	Pro
1				5					10					15	

Phe	Leu	Glu	Gln	Leu	Tyr	Cys	Trp	Ala	Pro	Trp	Val	Gln	Thr	His	Leu
			20					25					30		

His	Leu	Asp	Leu	Leu	Gly	Ala	Ile	Val	Gln	Ala	Phe	Pro	Pro	Asp	Ser
		35					40					45			

Ser	Leu	Leu	Asp	Ser	Ala	Ser	His	Ala	Asp	Cys	Cys	Pro	Gln	Lys	Arg
	50					55					60				

Arg	Leu	His	His	Arg	Pro	Pro	Cys	Pro	Ala	Cys	Pro	Phe	Val	Gln	Ala
65					70					75					80

Gln	Trp	Ser	Arg	Gln	Gln	Val	Lys	Glu	Xaa	Leu	Xaa	Thr	Trp	Leu	Gly
				85					90						95

Pro	Leu	Thr	Leu	Ala	Glu	Leu	Gln	Xaa	Trp	Leu	Gly	Ile	Xaa	Gly	
			100					105					110		

&lt;210&gt; 8226

&lt;211&gt; 42

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

## 7313

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8226

Tyr	Met	Pro	Ser	Leu	Thr	Trp	Tyr	Ala	Leu	Arg	His	Thr	Xaa	Asp	Cys
1				5					10					15	

Tyr	Thr	Ser	Ile	Ser	Ile	Glu	Asn	Pro	Leu	Leu	Pro	Ile	Arg	Xaa	Ile
			20					25					30		

Leu	Ile	His	Phe	Xaa	Glu	Xaa	Xaa	Ser	Trp
			35					40	

<210> 8227

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8227

Asn	Gly	Val	Xaa	Lys	Leu	Ala	Val	Tyr	Thr	Ile	Ile	Xaa	Ile	Tyr	Phe
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

7314

```
<210> 8228
<211> 104
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids
```

<400> 8228  
Ala Pro Xaa Asp His Leu Pro Phe Pro Glu Ala Gly Ser Pro Glu Leu  
1 5 10 15

Gly Leu Leu Val Pro Gly Leu Arg Gln Leu Leu Thr Gln Gln Cys Ile  
20 25 30

Ser Arg Cys Ser Gln Gly Phe Trp Ala Pro Val Thr Ala Ala Ser Pro  
35 40 45

Val Leu His Arg Pro Trp Ala Pro Arg Gly Trp Leu Ser Gly Ile Glu  
50 55 60

Ala Ala Gly Ser Cys Thr Leu Phe Met Tyr Tyr Pro Ser Val Gly Arg  
65 70 75 80

Ala Glu Arg Ala Ala Gly Ser Ser Trp Leu Gln Pro Ser Pro Thr Gln  
85 90 95

Ser Ser Ser Gly Gly Gly Asp Pro  
100

```
<210> 8229
<211> 44
<212> PRT
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids
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## 7315

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (44)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8229  
 Ser Tyr Thr Arg Thr Leu Gln Ile Val Phe Leu Lys Val Asn Tyr Asn  
 1 5 10 15  
 Val Glu Phe Glu Thr Ile Ser Met Asn Leu Tyr Ser Tyr Ile Lys Ser  
 20 25 30  
 His Cys Phe Thr Phe Lys Lys Lys Lys Xaa Xaa Xaa  
 35 40

<210> 8230  
 <211> 37  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (28)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (35)  
 <223> Xaa equals any of the naturally occurring L-amino acids

## 7316

&lt;400&gt; 8230

Val Lys Ser Val Ile Lys His Asn Pro Thr Val Xaa Ile Xaa Gly Pro  
1 5 10 15

Ile Lys Asn Leu Thr Xaa Asp Ser Lys Cys Asp Xaa Asn Glu Ile Ile  
20 25 30

Lys Val Xaa Tyr Leu  
35

&lt;210&gt; 8231

&lt;211&gt; 130

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (120)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (125)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (128)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (129)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (130)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8231

Ala Ser Leu Ser Val Val His Arg Val Leu His Gly Val Pro Phe Leu  
1 5 10 15

## 7317

Pro Glu Ile Phe Leu Gly Ser Leu Phe Leu Pro Arg Val Pro Ser Arg  
                   20                  25                  30  
 Cys Arg Leu Leu Leu Pro Arg Val Pro Ser Leu His Ala Asp Phe Ser  
                   35                  40                  45  
 Ser Arg Ala Ser Arg Leu Ser Thr Pro Pro Phe Pro Pro Ala Arg Pro  
                   50                  55                  60  
 Xaa Ser Pro Pro Pro Phe Ala Pro Ala Arg Pro Val Ser Ala Pro Thr  
                   65                  70                  75                  80  
 Phe Pro Pro Ala Arg Pro Val Ser Met Ser Pro Pro Cys Asn Ile Trp  
                                   85                  90                  95  
 Arg Asp Phe Leu His Phe Val Pro Phe Ser Pro Ser Ile Asp Phe Phe  
                   100                  105                  110  
 Val Leu Arg Leu Thr Ile Lys Xaa Leu Ile Ser Lys Xaa Lys Lys Xaa  
                   115                  120                  125  
 Xaa Xaa  
           130

&lt;210&gt; 8232

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7318

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8232

Val	Gln	Tyr	Xaa	Val	His	Lys	Thr	Glu	Leu	Leu	Met	Val	Thr	Ser	Thr
1				5				10				15			

Thr	Xaa	Ile	Phe	Arg	Xaa	Glu	Xaa	Asp	Gln	Ile	Phe	Met	Lys	Tyr	Trp
		20				25						30			

Leu	Cys	Ala	Xaa	Ile	Ser	Tyr	Lys	Ser	Glu	Tyr	Ala	Val
	35					40					45	

&lt;210&gt; 8233

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)



## 7319

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8233

Ile	Tyr	Ile	Arg	His	Ile	Gly	Arg	Asp	Ala	Leu	Thr	Xaa	Xaa	Xaa	Gly
1				5					10					15	

Cys	Thr	Ile	Ala	Val	Ile	Leu	Thr	Arg	Val	Xaa	Gly	Glu	Val	Ile	Glu
			20					25					30		

Ile	Ser	Ser	Glu	Cys	Thr	Xaa	Leu	Tyr	Cys	Tyr	Met	Glu	Xaa	Ser	Ser
			35				40					45			

Xaa	Pro
	50

<210> 8234

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

7320

&lt;400&gt; 8234

Leu Xaa Lys Trp Gly Glu Asn Lys Cys Cys Gln Val Leu Xaa Leu Ser  
1 5 10 15

Ala Ile Met Asn Met Ser Xaa Arg Ala Ser Cys Thr Xaa Ser Gly Asn  
20 25 30

Thr Ile Thr Cys Leu Xaa  
35

&lt;210&gt; 8235

&lt;211&gt; 42

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

## 7321

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8235

Xaa Lys Leu Lys Met Leu Xaa Ser Gly Met Ile Arg Val Thr Xaa Asn

1

5

10

15

Met Lys Gly Ser Thr Xaa Gln Thr Val Met Xaa Phe Pro Ser Gly Pro

20

25

30

Phe Ala Xaa Phe Val Gly Xaa Asn Leu Thr

35

40

<210> 8236

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8236

Ser Phe Val Phe Met Ala Cys Val Lys Leu Leu Gln Asp Val Cys Cys

1

5

10

15

Gln Lys Arg Leu Asp Gly Phe Lys Lys Met Gly Leu Ser Leu Pro Ser

20

25

30

Tyr Ala Ser Ile Xaa Phe Cys Thr Pro Gln Leu Leu Leu Asn Ser Leu

35

40

45

Phe

<210> 8237

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

## 7322

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8237

Asp	Tyr	His	Arg	Pro	Cys	Pro	His	Leu	Trp	Trp	Thr	Xaa	Xaa	Tyr	Thr
1				5					10					15	

Gly	Gly	Pro	Val	Ile	Xaa	Leu	Ser	Tyr	Lys	Asp	Phe	Asn	Gly	Leu	Lys
			20					25					30		

Lys	Phe	Xaa
		35

&lt;210&gt; 8238

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8238

## 7323

Ile Lys Cys Thr Pro Leu Lys Lys Xaa Asn Lys Xaa Lys Xaa Val Leu  
 1 5 10 15

Xaa Lys

<210> 8239  
 <211> 50  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (43)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (50)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8239  
 Ala Pro Pro Xaa Leu Ala Ala Gly Pro Ala Arg Pro Ala Pro Gly Val  
 1 5 10 15

Arg Pro Pro Arg Ser Arg Ala Leu Arg Ala Arg Arg Asp Val Ser Ser  
 20 25 30

Leu Pro Ala Arg Gly Pro Ala Arg Xaa Gly Xaa Arg Pro Glu Xaa Gln  
 35 40 45

Arg Xaa  
 50

7324

<210> 8240  
<211> 72  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (8)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (60)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (65)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (70)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (71)  
<223> Xaa equals any of the naturally occurring L-amino acids

7325

&lt;400&gt; 8240

Val Arg Gln Leu Gln Val Asn Xaa Xaa Arg Gly Lys Arg Ile Gly Xaa  
 1 5 10 15

Ile Pro Gly Pro Val Glu Thr Arg Pro Xaa His Cys Ile Val Leu Tyr  
 20 25 30

Glu Ala Arg Xaa Thr Ser Phe Ala Arg Arg Glu Gln Val Asp Ala Ser  
 35 40 45

Leu His Met Tyr Ser Lys Met Thr Ala Gly Gln Xaa Met Asn Lys Cys  
 50 55 60

Xaa Ser Asn Ala Cys Xaa Xaa Arg  
 65 70

&lt;210&gt; 8241

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8241

Thr Lys Xaa Asp Ile Tyr Tyr Glu Met Val Ile Phe Xaa Xaa Xaa Ile

7326

1	5	10	15
Phe Cys Leu Lys Cys Ile Gly Leu Lys Glu Ile Cys Met Leu Leu Ile			
20	25	30	
Asn Val Thr Ser Tyr Xaa Asn Phe			
35	40		

&lt;210&gt; 8242

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8242

His Asp Tyr Met Lys Xaa Gln Tyr Ala Leu Thr Xaa Gly Ile Leu Lys
1 5 10 15

Xaa Asn Xaa Glu Glu Xaa
20

&lt;210&gt; 8243

&lt;211&gt; 39



7327

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8243

Xaa Val Thr Leu Xaa Pro Cys Glu Val Val Tyr Ser Gln Asp Xaa Ala

1

5

10

15

Gly Lys Arg Xaa Tyr Ser Cys Pro Val Tyr Gln Met Ile Ser Asp Ser

20

25

30

Leu Arg Asn Gly Gly Xaa Xaa

35

&lt;210&gt; 8244

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

7328

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8244

Leu	Gln	Xaa	His	Val	Leu	Met	Asn	Ala	Xaa	Asn	Thr	Tyr	Xaa	Lys	Gln
1				5					10					15	

Lys	Trp	Xaa	Glu	Asp	Phe	Glu	Ile
			20				

&lt;210&gt; 8245

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8245

Ser	Gln	Met	Thr	Cys	Arg	Lys	Tyr	Cys	His	Ile	Val	His	Phe	Ile	Ile
1				5					10					15	

Phe	Cys	Cys	Arg	Lys	Pro	Leu	His	His	Arg	Met	Leu	Ile	Cys	Gln	Trp
			20					25						30	

Tyr	Pro	Val	Pro	Leu	Val	Tyr	Arg	Leu	Leu	Gln	Ile	Leu	Phe
		35					40					45	

&lt;210&gt; 8246

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

## 7329

<221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (17)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8246  
 Gly Leu Lys Thr Phe Ile Gly Trp Val Trp Tyr Xaa Arg Phe Xaa Xaa  
           1                  5                  10                  15

Xaa Asp

<210> 8247  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8247  
 Glu Thr Ile His Xaa Xaa Ile Glu Ser Ile Thr Xaa Phe Lys Leu Ile  
           1                  5                  10                  15

7330

<210> 8248  
<211> 27  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8248  
Val Leu Tyr Ile Glu Arg Xaa Leu Ser Ile Xaa Asn Gln Xaa Phe Arg  
1 5 10 15

Phe Tyr Cys Gly Ser Ile Phe Asn Ala His Ile  
20 25

<210> 8249  
<211> 40  
<212> PRT  
<213> Homo sapiens

<400> 8249  
Leu Thr Asn Phe His Phe Lys Lys Lys Ala Tyr Lys Val Thr Tyr Met  
1 5 10 15

Ile Phe Pro Leu Arg Ser Ala Leu Ile Ser Trp Ile Pro Leu Cys Asn  
20 25 30

Ile Phe Ile Ile Ile Ile Ser Lys  
35 40

## 7331

<210> 8250

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7332

&lt;400&gt; 8250

Xaa Thr Pro Met Gly Asn Thr Xaa Arg Xaa Tyr Ala Lys Xaa Asp Arg  
1 5 10 15

Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly Gly Gly Gly Leu Tyr  
20 25 30

Phe Ile Pro Ala Leu Gly Leu Xaa Asp Glu Ser Xaa Thr Gln Xaa Xaa  
35 40 45

Xaa Leu  
50

&lt;210&gt; 8251

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8251

7333

Thr His Ala Thr Met Ser Phe Xaa Thr Pro Ala Val Lys Arg Leu Cys  
 1 5 10 15  
 Xaa Ala Cys Val Leu Phe Ala Asp Leu Ser Leu Thr Trp Pro Trp Gln  
 20 25 30  
 Ala Val Gly Arg His Leu Val Xaa Ala Asp Xaa Xaa Asp His Ser Tyr  
 35 40 45  
 Leu Xaa Met  
 50

<210> 8252  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8252  
 Gly Thr Xaa Leu Ser Pro Met Arg Ala Gln Trp Asn Xaa Xaa Ser Arg  
 1 5 10 15  
 Met Gln Pro Val His Leu Arg Pro Cys Leu Glu Gly Val Tyr Leu Asn  
 20 25 30

<210> 8253  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

7334

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8253

Glu	Arg	Xaa	Asp	Val	Thr	Glu	Ala	Xaa	Trp	Asn	Pro	Leu	Pro	Ser	Pro
1				5					10					15	

Xaa	Thr	Xaa	Gly	Thr	Ser
			20		

&lt;210&gt; 8254

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8254

Gly	Asn	Ser	Ile	Glu	Met	Leu	Asn	Thr	Ile	Ser	Glu	Ser	Tyr	Val	Phe
1				5					10					15	

Phe	Leu	Ser	Ser	Gly	Ile	Pro	Leu	Leu	Tyr	Phe	Tyr	Lys	Leu	Phe	Ser
				20					25					30	

His	Cys	His	Trp	Asn	Arg	Tyr	Leu	Arg	Leu	Cys	Arg	Tyr	Ala	Ile
				35					40					45

&lt;210&gt; 8255

&lt;211&gt; 59

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens



7335

&lt;400&gt; 8255

Ala Ala Cys Thr Pro Ala Ala Tyr Ile Phe Leu Ala Thr Lys Leu Pro  
1 5 10 15

Ala Thr Gly Ser Ala Glu Pro Ser Ser Trp Ser Val Ile Thr Glu Gln  
20 25 30

Cys Ile Leu Ala Leu Asp Val Ser Val Asp Lys Leu Ala Glu Phe Leu  
35 40 45

Tyr His Ile Leu Ser Thr Arg Ser Leu Leu Phe  
50 55

&lt;210&gt; 8256

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8256

Ser Glu Lys Val Lys Thr Ala Phe Thr Lys Pro Gly Arg Trp Gly Leu  
1 5 10 15

Cys Glu Pro Leu Cys Thr Gly Ser Leu Arg Asp Ser Ala Trp Cys Ser  
20 25 30

Arg Xaa Ile Leu Ala Xaa Val Gly Glu  
35 40

&lt;210&gt; 8257

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7336

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8257

Ala Gln Gly Leu Leu Leu Pro Ser Pro Pro Pro Pro Val Tyr Leu Ser

1

5

10

15

Xaa Xaa Xaa

&lt;210&gt; 8258

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8258

Gly Arg Gly Xaa Ala Ala Gly Leu Arg Gly Arg Thr Thr Gly Xaa Gly

1

5

10

15

Arg Arg Gln Thr Leu Xaa Trp Gly Phe Pro Xaa

20

25

7337

&lt;210&gt; 8259

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8259

Lys	Thr	Gln	Val	Cys	Pro	Cys	Val	Ser	Tyr	Lys	Val	His	Leu	Lys	Leu
1				5					10					15	

Val	Ser	Val	Cys	His	Ile	Ser	Leu	Ser	Trp	Tyr	Ile	Lys	Cys	Ser	Leu
			20					25					30		

His Ile

&lt;210&gt; 8260

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8260

Leu	Glu	Lys	Pro	Cys	Xaa	Thr	Ser	Pro	Gly	Thr	Pro	Pro	Glu	Phe	Pro
1				5					10					15	

Gly	Arg	Pro	Thr	Arg	Pro	Pro	Pro	Leu	Xaa	Gly	Phe	Arg	Xaa	Ala	Cys
			20					25					30		

7338

Pro Arg Xaa Gly Phe Pro Arg Asp Ser Gly Val Trp  
35 40

<210> 8261  
<211> 51  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8261  
Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr  
1 5 10 15  
Arg Pro Gly Gly Xaa Ile Gly Glu Gly Pro Glu Ser Val Leu Gly Gly  
20 25 30  
Gly Ile Gly Glu Gly Pro Glu Cys Gly Leu Gly Gly Gly Ile Gly Glu  
35 40 45  
Gly Pro Glu  
50

<210> 8262  
<211> 56  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (5)  
<223> Xaa equals any of the naturally occurring L-amino acids

## 7339

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (49)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8262

## 7340

Phe Leu Xaa Xaa Xaa Leu Leu Gly Phe Met Gln Arg Gln Xaa Cys Val  
 1 5 10 15  
 Asn Xaa Gln Lys Thr Leu Ile Trp Lys Tyr Glu Asn Gln Xaa Xaa Leu  
 20 25 30  
 Xaa Ile Lys Asn Xaa Xaa Thr Xaa Val Ile Ile Leu Lys Xaa Ile Leu  
 35 40 45  
 Xaa Lys Ile Thr His Leu Ile Lys  
 50 55

<210> 8263  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (17)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8263  
 Ala Xaa Gly Leu Leu Leu Pro Ser Pro Pro Pro Pro Val Xaa Xaa Leu  
 1 5 10 15

Xaa Gln

<210> 8264  
 <211> 24  
 <212> PRT

## 7341

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8264

Ala	Pro	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Arg	Pro	Thr	Arg	Xaa	Glu	Val
1				5					10					15	

Leu	Arg	Cys	Arg	Xaa	Arg	Ile	Gly
						20	

<210> 8265

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8265

Asp	Thr	Gln	Thr	His	Ala	Xaa	Cys	Pro	Asn	Ser	Cys	Arg	Thr	Leu	Asn
1					5				10					15	

Xaa	Glu	Xaa	Asp	Gly	Thr	Leu	Thr	Lys	Ser	Val	Thr	Glu	Pro	Leu	Arg
				20				25						30	

Met

7342

<210> 8266  
<211> 34  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8266  
Glu Ser Met Leu Met Lys Pro Val Thr Pro Cys Arg Pro Ile Gly Lys  
1 5 10 15  
Glu Xaa Gly Pro Arg Xaa Ser Val Thr Pro Xaa Thr Gly Ala Leu Tyr  
20 25 30

Leu Ser

<210> 8267  
<211> 28  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE



## 7343

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8267

Lys	Xaa	Xaa	Thr	Pro	Phe	Leu	Ser	Leu	Pro	Ser	Phe	Leu	Ala	Leu	His
1				5					10					15	

Pro	Ser	Ser	Phe	Met	Leu	Xaa	Val	Val	Leu	Asn	Lys
			20					25			

&lt;210&gt; 8268

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8268

Ala	Pro	Xaa	Cys	Pro	Ser	Trp	Arg	Ser	Ser	Cys	Ile	Arg	Pro	Asn	Asn
1				5					10					15	

Asp	Met	Ala	Arg	Xaa	Leu
			20		

&lt;210&gt; 8269

&lt;211&gt; 42

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7344

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8269

Glu Pro Pro Tyr Arg Val Gly Gly Arg Ser Xaa Ala Pro Asp Gly His  
1 5 10 15

Thr Gly Thr Ala Asp Ala Asn Gly Ala Ser Xaa Xaa His Pro Ala Thr  
20 25 30

Arg Ala Cys Ala Gly Ser Thr Gln Gly Gly  
35 40

&lt;210&gt; 8270

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8270

Ser Pro Pro Ile Gly Leu Arg Asp Xaa Pro Glu Xaa Pro Gly Arg Pro  
1 5 10 15

Thr Arg Pro Thr Leu Leu Gly Leu Arg Leu Pro Gly Ser Leu Ser Pro  
20 25 30

Pro Glu Asp Leu Pro Val Arg Asp Leu Ala Xaa Trp Gly Xaa Ser Leu  
35 40 45

7345

&lt;210&gt; 8271

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8271

Leu	Arg	Val	Leu	Lys	Gly	Xaa	Gly	Lys	Gln	Xaa	Val	His	Xaa	Ser	Lys
1				5				10						15	

Asn	Tyr	Asn	Ile	Leu	Glu	Glu	Tyr	Xaa	Leu	Pro	Tyr	Val	Asn	Thr	Phe
			20					25					30		

Pro	Ala	Xaa	Phe	Glu	Xaa	Val	Gly	Trp	Gly	Glu	Thr
			35				40				

7346

&lt;210&gt; 8272

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8272

Xaa Xaa Asp Lys Ile Gly Xaa Xaa Glu Asn Gly His Asp Ser Thr Arg

1

5

10

15

Thr Trp Gly Lys Tyr Ala Arg Xaa Glu Glu Ala Lys Leu Asn Glu Asn

20

25

30

Gly Asp Ala Gly

35

&lt;210&gt; 8273

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8273

Met Leu Phe Met Ile Ser Glu Pro Cys Ser Ile Leu Trp Leu Phe Phe

7347

1                    5                    10                    15  
Phe Leu Ile Tyr Leu Tyr Phe Tyr Cys Tyr Tyr Leu Lys Lys Asn Phe  
                    20                    25                    30  
Leu Cys Leu Ile Thr Asn Ser Ser Leu Lys Phe Pro Thr Ile Val  
                    35                    40                    45

&lt;210&gt; 8274

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8274

Xaa Lys Lys Lys Lys Lys Lys Arg Lys Ser Gln Lys Glu Arg Asp Lys  
1                    5                    10                    15

Glu Val Ser Asp Asp Glu  
                    20

&lt;210&gt; 8275

&lt;211&gt; 93

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

7348

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8275

Val	Lys	Leu	Val	Arg	Leu	Gln	Val	Pro	Val	Arg	Asn	Ser	Arg	Val	Asp
1				5				10						15	

Pro	Xaa	Val	Arg	Ser	Gly	Leu	Pro	Ala	Pro	Gly	Pro	Gly	Asn	Xaa	Leu
			20					25					30		

Leu	Lys	Ala	Glu	Pro	Arg	Xaa	Cys	Xaa	Ser	Leu	Leu	Pro	Val	Leu	Pro
		35					40					45			

Pro	Gln	Lys	Pro	Ser	Ser	Pro	Gly	Gly	Ala	Asp	Gly	Ala	Arg	Val	Gln
	50					55					60				

Thr	Arg	Ser	Leu	Pro	Pro	Gln	Xaa	Cys	Leu	Ala	Pro	Leu	Asp	Leu	Cys
65						70				75					80

Lys	Gly	Gly	Val	Thr	Ala	Gly	Ser	Glu	Pro	Leu	Ala	Leu
				85					90			

&lt;210&gt; 8276

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8276

Xaa Xaa Gly Lys Xaa Arg Thr Ile Gly Gln Ala Gly Thr Pro Ala Gly

## 7349

1	5	10	15
Thr Gly Pro Glu Phe Pro Gly Arg Pro Ile Arg Pro Asp Phe Ser Phe			
	20	25	30
Ser Asp Thr Arg Gly			
	35		

&lt;210&gt; 8277

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8277

Gly Xaa Phe Asn Leu Lys Met Ser Lys Phe Xaa Xaa Arg Leu Asn Ala
1 5 10 15

Val Gln Phe Xaa Gly Met Asn Asp Ile Xaa Arg
20 25

&lt;210&gt; 8278

&lt;211&gt; 29

## 7350

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8278

His	Ser	Tyr	Asn	Ala	Ser	Lys	Leu	Asp	Thr	Ser	Ser	Phe	Xaa	Arg	Xaa
1				5					10					15	

Val	Lys	Cys	Met	Gln	Asn	Asn	Ile	Xaa	Lys	Ser	Ile	Asp
			20				25					

&lt;210&gt; 8279

&lt;211&gt; 75

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8279

His	Ile	Lys	Glu	Gly	Phe	Cys	Arg	Gly	Glu	Leu	Ser	Leu	Asn	Tyr	Gly
1				5					10					15	

Arg	Thr	Phe	Gln	Ala	Asp	Thr	Asn	Ala	Lys	Ala	Leu	Gln	Cys	Glu	Glu
			20					25					30		

Leu	Thr	Thr	His	Lys	Asp	Gly	Glu	Gln	Phe	Ile	Val	Thr	Gly	Ala	Gln
			35					40					45		

Gly	Ala	Ala	Lys	Glu	Leu	Glu	Arg	Gly	Lys	Gly	His	Thr	Lys	Glu	Ser
			50				55				60				

Leu	Ile	Gln	Arg	Val	Trp	Thr	Ile	Lys	Gly	Phe
	65				70					75

&lt;210&gt; 8280



## 7351

<211> 52  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (23)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (25)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (28)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (48)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8280  
 Ser Ile Ile Ala Phe Lys Asn Glu Gly Cys Leu Ile Xaa Pro Phe Xaa  
     1                  5                  10                  15

Leu Tyr Ser Val Gly Leu Xaa Thr Xaa Asn Cys Xaa Leu Gln Leu Leu  
                   20                  25                  30

Lys Gly Gln Arg Val Asn Leu Thr Tyr Xaa Thr Ala Arg Ile Trp Xaa  
           35                  40                  45

Ser Glu Leu Phe  
       50

7352

<210> 8281  
 <211> 52  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (48)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (49)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (52)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8281  
 Ser Val Arg Phe Arg Val Asn Ile Trp Val Cys Leu Thr Leu Lys Pro  
           1                  5                  10                  15  
 Met Phe Phe Leu Leu Leu Ser Val Thr Ser Ser Leu Val Phe Asn Ser  
                   20                  25                  30  
 Asn Arg Ser Thr Val Ile Lys Leu Cys Leu Ser Gly Lys Lys Xaa Xaa  
           35                  40                  45  
 Xaa Lys Lys Xaa  
           50

<210> 8282  
 <211> 62  
 <212> PRT  
 <213> Homo sapiens

<400> 8282  
 Lys Leu Ser Phe Ala Ala Ile Asn Arg Tyr Gly Asn Ile Cys Arg Ile  
           1                  5                  10                  15

## 7353

Gly Leu Thr Asp Phe Val Lys Gln Met Ser Cys Tyr Phe Ala Ile Val  
                   20                  25                  30

Arg His Ala Val Val Leu Lys Ile Thr Leu Ile Glu Gly Lys Asn Ile  
           35                  40                  45

Gly Ile Arg Leu Asn Arg Tyr Arg Phe Ser Asp Asn Asp His  
       50                  55                  60

<210> 8283

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8283

Glu Xaa Pro Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val  
       1                  5                  10                  15

Arg Leu Cys Pro Xaa Val Glu Phe Leu Ala Pro Leu Pro Val Pro Xaa  
           20                  25                  30

Cys Val Pro Gly Arg Arg Ala Gly Leu Gly Ala Xaa Glu Pro Pro Cys  
           35                  40                  45

7354

Leu Xaa Glu Ala  
50

&lt;210&gt; 8284

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8284

Xaa Gly Xaa Xaa Glu Arg Pro Gln Val Pro Val Arg Asn Ser Arg Val  
1 5 10 15

Asp Pro Arg Val Arg Ile Phe Lys Phe Gly Gln Pro Xaa Ser Ala Arg

## 7355

20	25	30	
Asn Xaa Xaa Xaa Thr Asp Leu Thr			
35	40		

<210> 8285

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8285

Ala Ser Xaa Gly Thr Leu Trp Ile Gly Leu Xaa Gly Asn Val Ser Arg			
1	5	10	15

## 7356

Tyr Arg Pro Gly Ile Pro Gly Ser Thr His Ala Ser Gly Ile Lys Thr  
                   20                                  25                                  30

Trp Asn Arg Xaa Lys Arg Asn Pro Ile Xaa Xaa Gln Xaa Xaa Ala  
                   35                                  40                                  45

<210> 8286

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8286

Thr Xaa Gly Lys Ala Tyr Xaa Glu Ser Phe Pro Gly Thr Ala Pro Glu  
       1                                  5                                  10                                  15

7357

Phe Pro Gly Arg Pro Thr Arg Xaa Xaa Ser Pro Val Ser Pro Xaa Ala  
                   20                  25                  30

Pro Asp Pro Thr Xaa Leu Leu Leu Xaa Pro Leu Leu  
           35                  40

&lt;210&gt; 8287

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8287

Leu Leu Xaa Leu Gly Gly Thr Ala Pro Gln Val Pro Val Arg Asn Xaa  
   1                  5                  10                  15

Arg Val Asp Pro Arg Val Arg Xaa Phe Ile Gly Ala Ile Gln Asn Ser  
           20                  25                  30

Ser Xaa Pro Thr Ile Gln Glu Tyr Arg Arg Gln Phe Glu Ser His Ser  
           35                  40                  45

Phe Phe Leu Lys Phe Ser Thr Ser  
       50                  55

&lt;210&gt; 8288

&lt;211&gt; 50

7358

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8288

Asp	Thr	Thr	Cys	Ile	Leu	Ile	Xaa	Ser	Asp	Leu	Phe	Asp	Leu	Xaa	Leu
1				5				10						15	

Gln	Gly	Lys	Ile	Leu	Asn	Glu	Lys	Arg	Gly	Ser	Glu	Met	Met	Xaa	Xaa
			20					25						30	

Thr	Arg	Tyr	Leu	Asp	Phe	Leu	Trp	Ala	Xaa	Thr	Cys	Glu	Thr	Ser	Ile
			35					40						45	

Xaa	Thr
	50

&lt;210&gt; 8289

&lt;211&gt; 62

&lt;212&gt; PRT



## 7359

&lt;213&gt; Homo sapiens

&lt;400&gt; 8289

Gly Trp Phe Cys Leu Phe Leu Phe Gly Ser Leu Phe Phe Ile Phe Phe  
 1 5 10 15  
 Leu Thr Tyr Pro Phe Pro Pro Leu Ser Val Glu Asp Phe Leu Phe Ser  
 20 25 30  
 Asp Ser Leu Thr Gln Phe Gln Thr Glu Pro Ser Phe Thr Asp Tyr Phe  
 35 40 45  
 Gly Val Leu Val Val Leu Asn Leu Thr Gln Gln Pro Phe Met  
 50 55 60

&lt;210&gt; 8290

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8290

Gly Asn Phe Gly Gly Gly Asn Tyr Gly Gly Gly Gly Asn Tyr Asn Asp  
 1 5 10 15  
 Phe Gly Asn Tyr Ser Gly Gln Gln Gln Ser Asn Tyr Gly Pro Met Lys  
 20 25 30  
 Gly Gly Ser Phe Gly Gly Arg Ser Ser Gly Ser Pro Tyr Gly Gly Gly  
 35 40 45  
 Tyr Gly Ser Gly Gly Gly Ser Gly Gly Tyr Gly Ser Arg Arg Phe  
 50 55 60

&lt;210&gt; 8291

&lt;211&gt; 75

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7360

<220>  
 <221> SITE  
 <222> (38)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (59)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (64)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (75)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8291  
 Asp Arg Met Cys Cys Xaa Val Ser Asp Pro Met Ile Gln Val Met Ser  
           1                  5                  10                  15  
 Ser Arg Thr Leu Xaa Thr Arg Leu His Thr Pro Pro Pro Phe Gln Pro  
                   20                  25                  30  
 Gln His Trp His His Xaa Lys Ala Gly Tyr Pro Arg Gly His Gly Met  
           35                  40                  45  
 Ile Ala Ser Ser Ser Trp Ser Leu Val His Xaa His Leu His Ala Xaa  
           50                  55                  60  
 Glu Glu Ser Gly Trp Ile Leu Gly Ala Leu Xaa  
           65                  70                  75

<210> 8292  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE

## 7361

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8292

Ser	Arg	Ser	Pro	Pro	Ser	Leu	Pro	Pro	Pro	Pro	Arg	Glu	Xaa	Leu	Leu
1				5				10						15	

Lys	Ile	Xaa	Xaa	Cys
			20	

&lt;210&gt; 8293

&lt;211&gt; 30

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8293

Glu	Pro	Xaa	Glu	Leu	Cys	Phe	Val	Ile	Gln	Gly	Ser	Trp	Xaa	Glu	Gln
1				5					10					15	

## 7362

Pro Ser Xaa Ser Leu Thr Gln Ser Thr Lys Cys Xaa Leu Xaa  
                   20                                  25                                  30

<210> 8294

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8294

Pro Xaa Cys Cys Cys Arg Asn Ser Leu Val Xaa Thr Leu Met Xaa Ser  
   1                                  5                                  10                                  15

Arg Met Asp Gly Glu Tyr Xaa Ile Glu Leu Cys Xaa Leu Pro Ser Leu  
                   20                                  25                                  30

Phe

<210> 8295

<211> 75

<212> PRT

<213> Homo sapiens

## 7363

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (19)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (58)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (59)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (60)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (62)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (69)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8295  
 Arg Leu Arg Tyr Arg Ala Gly Thr Gly Pro Glu Phe Pro Xaa Arg Pro  
 1 5 10 15  
 Thr Arg Xaa Ala Leu Pro Pro Leu Leu Pro Trp Asn Val Arg Asp Pro  
 20 25 30  
 Gly Ala Ala Ala Ser Pro Xaa Ala Thr Gly Ile Pro Gly Thr Tyr Glu  
 35 40 45

## 7364

Ala Gly Ser Lys Glu Arg Val Leu Val Xaa Xaa Xaa Arg Xaa Cys Leu  
50 55 60

Lys Ala Leu Gly Xaa Leu Cys Thr Cys His Leu  
65 70 75

<210> 8296  
<211> 33  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (11)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8296  
Pro Asn Ser Met Cys Thr Trp Ser Xaa Ile Xaa Lys Ile Leu Xaa Ala  
1 5 10 15

Leu Phe Ala Leu Val Leu Phe Ser Met Val Thr Thr Ala Thr Thr Thr  
20 25 30

Cys

<210> 8297  
<211> 35  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 7365

<221> SITE  
 <222> (18)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (23)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (32)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (35)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 8297  
 Tyr Xaa Asn Met Ser Lys Arg Ser Asp Ser Val Lys Gly Lys His Arg  
     1                    5                    10                    15  
  
 Tyr Xaa Ser Ala Phe Cys Xaa Xaa Ser Trp Gln Arg Asp Ser Glu Xaa  
                     20                    25                    30  
  
 Cys Thr Xaa  
           35

<210> 8298  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (19)  
 <223> Xaa equals any of the naturally occurring L-amino acids

7366

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8298

His Asp Ile Leu Lys Met Glu Ala Lys Gly Tyr Lys Phe Tyr Asn Xaa  
1 5 10 15

Leu Glu Xaa Phe Xaa Pro Cys  
20

&lt;210&gt; 8299

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8299

Ala Gln Gly Leu Leu Leu Pro Ser Pro Pro Pro His Val Phe Xaa Xaa  
1 5 10 15

Gly Xaa Leu

&lt;210&gt; 8300

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)



## 7367

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8300

Xaa	Gly	Thr	Pro	Ala	Arg	Thr	Gly	Pro	Glu	Xaa	Pro	Gly	Arg	Pro	Thr
1				5					10					15	

Arg	Pro	Ile	Leu	Ser	Tyr	Leu	His	Ser	Val	Lys	Ile	Glu	Lys	Arg	Thr
			20					25					30		

Ile	Glu	Ser	Ile	Ile	Gly	Gln	Met	Asn	Lys	Arg	Arg
		35					40				

<210> 8301

<211> 40

<212> PRT

<213> Homo sapiens

<400> 8301

Gln	Glu	Asn	Ile	Lys	Tyr	Asn	Ser	Leu	Phe	Phe	Val	Lys	Asn	Ile	Phe
1				5					10					15	

Leu	Thr	Asn	Gly	Lys	Thr	Lys	Ser	Leu	Ala	Ile	Asn	Asn	Lys	Met	Gly
			20					25					30		

Ala	Ile	Leu	Arg	Val	Val	Lys	Ala
		35				40	

<210> 8302

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8302

Pro	Arg	Tyr	Phe	Leu	Cys	Phe	Trp	Asp	Leu	Met	Leu	Phe	Xaa	Lys	Cys
1				5					10					15	

Tyr	Cys	Pro	Met	Leu	Asp	Tyr	Cys	Phe	Gly	Phe	Arg	His	Leu	Leu	Asn
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

7368

20

25

30

Arg

&lt;210&gt; 8303

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8303

Arg	Val	Asp	Pro	Arg	Xaa	Pro	Ala	Glu	Leu	Ile	Cys	Lys	Xaa	Leu	Arg
1				5					10					15	

Asn	Lys	Xaa	Tyr	Glu	Gly	Gly	Asp	Gly	Cys	Lys	Thr	Ile	Gly	Pro	Gly
			20				25						30		

Arg	Lys	Arg	Xaa
			35

&lt;210&gt; 8304

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

## 7369

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8304

Gly	Gly	Arg	Leu	Lys	Met	Ser	Ile	Ile	Ser	Gln	His	Xaa	Asn	Glu	Thr
1				5					10					15	

Trp	Cys	Pro	Xaa	Xaa	Pro	Glu	Asp	Leu	Xaa	Leu	Gln	His	Ala	Trp	Ala
			20					25					30		

Phe Xaa

&lt;210&gt; 8305

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7370

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8305

Leu	Glu	Cys	Xaa	Arg	Ser	Thr	Cys	Ser	Glu	Glu	Xaa	His	Ser	Asp	Ser
1				5					10					15	

Val	Glu	Glu	Glu	Ser	Gly	Xaa
			20			

&lt;210&gt; 8306

&lt;211&gt; 82

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8306

Ile	Leu	Cys	Asp	Met	Ile	Phe	Trp	Ile	Tyr	Arg	Thr	Leu	Xaa	His	Val
1				5				10						15	

Pro	Cys	Ala	Ser	His	Ser	Ser	Glu	Val	Ile	Ile	Tyr	Thr	Glu	Gly	Phe
			20					25					30		

Gln	Asn	Ser	Thr	Arg	Ser	Gly	Asp	Ile	Xaa	Phe	Ile	Tyr	Ala	Leu	Tyr
		35				40					45				

Trp	Ile	Leu	Tyr	Cys	Xaa	Leu	Lys	Leu	Leu	Ser	Trp	Pro	His	Leu	Leu
	50					55				60					

Lys	His	Lys	Met	Phe	Tyr	Leu	Leu	Leu	Ile	Tyr	Asp	Ala	Ile	Lys	Ile
65					70					75				80	

His Gln

7371

&lt;210&gt; 8307

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8307

Leu	Pro	Xaa	Val	Leu	Met	His	Met	Trp	Thr	Ala	Leu	Lys	Xaa	Ala	Xaa
1				5					10					15	

Gly	Leu	Asn	His	Xaa	Asp	Leu
				20		

&lt;210&gt; 8308

&lt;211&gt; 130

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8308

Gly	Thr	Ala	Gly	Thr	Pro	Ala	Gly	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Arg
1				5					10					15	

## 7372

Leu Xaa Arg Pro Glu Gln Thr Ala Gln Arg Val Ser Ala Gln Cys Arg  
 20 25 30

Gly Gly Gly Arg Lys Thr Gly Arg Val Lys Val Leu Glu Arg Glu Gly  
 35 40 45

Gly Arg Glu Gly Lys Gly Leu Trp Gly Ala Thr Gly Val Arg Glu Thr  
 50 55 60

Arg Glu Gly Arg Leu Ser Gly Gly Gly Ala Arg Arg Pro Ala Leu Arg  
 65 70 75 80

Arg Arg Gln Ala Gly Pro Ser Ala Leu Leu Asp Ala Pro Ala Arg Thr  
 85 90 95

Ala Pro Gly Gly Cys Ser Glu Ala Ser Leu Leu Glu Pro Thr Gln His  
 100 105 110

Pro Ala Arg Pro Ser Phe Pro Arg Asn Ser Pro Gln Pro Asp Gln Ala  
 115 120 125

Ser Trp  
 130

<210> 8309

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8309

Gln Xaa Leu Gln Ile Gln Asn Val Gln Arg Lys Ser Pro Pro Cys Leu  
 1 5 10 15

Pro Xaa Leu Pro Pro Leu Pro Ser Ala Asp Trp Gly Ser Val Xaa Pro

7373

	20		25		30	
Gln	Ser	Lys	Ser	Ala	Thr	Pro
	35					Glu
						Gly
						Ser
						Glu
						Leu
						His
						Arg
						Gly
						Pro

  

His	Gly	Asn	Arg	Phe	Leu	Ser	Cys	Leu	Gly	Gly	Lys	Met	Ala	Thr	Thr
	50					55					60				

  

Pro	Ala	Gln	Ala	Leu	Pro	Arg	His	Asn	Ser	Thr	Gly	Ile	Ala	Cys	Glu
65					70					75					80

  

Ala Ala Ala

&lt;210&gt; 8310

&lt;211&gt; 30

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8310

Arg	Tyr	Pro	Val	Arg	Asn	Ser	Arg	Val	Asp	Pro	Arg	Val	Arg	Arg	Leu
1				5					10					15	

Ser	Ala	Ser	Xaa	Asp	Xaa	Arg	Cys	Cys	Xaa	Leu	Thr	His	Thr
			20					25				30	

&lt;210&gt; 8311

&lt;211&gt; 82

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

7374

<221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
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 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
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 <222> (61)  
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 <222> (68)  
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 <220>  
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 <222> (77)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 8311  
 Ala Gly Ser Pro Xaa Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr  
   1                  5                  10                  15  
 Arg Pro Lys Asp Ser Xaa Asp Asn Ser Gly Gly Asp Pro Pro Ala Gln  
           20                  25                  30  
 Met His Pro Arg Asp Lys Pro Phe Thr Tyr Arg Tyr Xaa Gln Ser His  
           35                  40                  45  
 Ile Glu Thr Pro Thr Trp Thr Gln Gly Met Leu Leu Xaa Arg Leu Asn  
   50                  55                  60  
 Asp Met Gln Xaa Val Lys Xaa Tyr Thr Val Tyr Thr Xaa Pro Gly Lys  
   65                  70                  75                  80  
 Arg Ser



7375

&lt;210&gt; 8312

&lt;211&gt; 80

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (59)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (80)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8312

Xaa	Xaa	Xaa	Gly	Xaa	Thr	Pro	Thr	Ile	Gly	Asn	Ala	Gly	Thr	Pro	Ala
1				5					10				15		

Gly	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Arg	Pro	Thr	Arg	Ser	Leu	Ile	Asp
			20					25					30		

## 7376

Ser Arg Pro Ile Ser Ala Asp Cys Asp Thr Ser Ala Thr Cys Lys Phe  
           35                    40                    45

Tyr Thr Leu Glu Xaa Ile Phe Tyr Thr Asn Xaa Val His Leu Arg Cys  
           50                    55                    60

Gly Leu Asn Ile Ser Thr Asn Asn Ile Gln Leu Gln Gln Lys Met Xaa  
       65                    70                    75                    80

&lt;210&gt; 8313

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8313

Ser Gly Ser Ser Thr Leu Phe Thr Xaa Lys Met Asp Ile Ile Ala Phe  
       1                    5                    10                    15

Asn Arg Arg Asn Gly Tyr Gly Leu Ser Lys Lys Asn Val Ser Met Thr  
           20                    25                    30

Trp Cys Arg Leu Lys Lys Leu His Val Cys Glu Tyr Phe Ile Met Trp  
           35                    40                    45

Asn Asp His  
       50

&lt;210&gt; 8314

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7377

<222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (20)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (44)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (48)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (49)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 8314  
 Leu Glu Xaa Xaa His Tyr Xaa Val Lys Leu Val Arg Leu Gln Val Pro  
   1                  5                  10                  15  
 Val Arg Asn Xaa Arg Val Asp Pro Arg Val Pro Arg Pro Thr Phe Ser  
                   20                  25                  30  
 Arg Xaa Glu Xaa Thr Met Phe Ser Arg Ala Gly Xaa His Trp Ala Xaa  
           35                  40                  45  
 Xaa Val Trp Thr Phe Ala Glu Arg Lys Trp  
   50                  55

7378

&lt;210&gt; 8315

&lt;211&gt; 57

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (56)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8315

Leu Leu Pro Val Xaa Ile Gln Xaa Ser Phe Glu Thr Phe Val Ser Xaa

1

5

10

15

## 7379

Arg Ile Leu Ile Xaa Pro Tyr Ala Ser Asn Thr Ala Leu Asn Ser His  
20 25 30  
Gly Glu Tyr Val Gly Xaa Thr Xaa Thr Arg Phe Pro Ala Xaa Thr Thr  
35 40 45  
His Thr Pro Thr His Leu Lys Xaa Lys  
50 55

&lt;210&gt; 8316

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8316

Ile Xaa Arg Arg Gln Ser Ser Phe Ile Arg Asn Lys Asn His Val Gly  
1 5 10 15

Arg Pro Thr Arg Gly Asn Ser Cys Leu Ile Xaa Xaa  
20 25

&lt;210&gt; 8317

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8317

## 7380

Ile Leu Ser Leu Ile Asn Lys Lys Lys Lys Gly Ala Xaa  
 1 5 10

<210> 8318

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8318

Lys Asn Thr Xaa Xaa Lys Ser Pro Xaa Phe Leu Gly Lys Lys Thr Pro  
 1 5 10 15

Ala Pro Trp Glu Thr Leu Ile Lys Gly Ala Gly Lys Arg Pro Trp Gly  
 20 25 30

Val Asn

<210> 8319

<211> 89

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

## 7381

<220>  
 <221> SITE  
 <222> (54)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (66)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (73)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (79)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (83)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (89)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8319  
 Val Thr Lys Thr Ser Gly Leu Pro Cys Val Arg Ala Thr Val Ser Lys  
 1 5 10 15  
 Gln Arg Leu Cys Lys Gly Val Ser Arg Ile Thr Trp Asn Leu Glu Asp  
 20 25 30  
 Thr Ser Trp Leu Ala Asn Cys Leu Cys Leu Leu Xaa Gly Thr Val Leu  
 35 40 45  
 Ser Leu His Cys Xaa Xaa Val Val Thr Ser Trp Gly Val Arg Phe Cys  
 50 55 60  
 Leu Xaa Gly Thr Tyr Phe Gly Arg Xaa Met Asp Pro Leu Pro Xaa Leu  
 65 70 75 80  
 Cys Ala Xaa Lys Glu Arg Cys Phe Xaa  
 85

7382

&lt;210&gt; 8320

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8320

Ser	Pro	Arg	Ser	Tyr	Thr	Trp	Ala	Lys	Thr	Arg	Ile	Leu	Ile	Arg	Phe
1				5					10					15	

Xaa	Leu	Xaa	Pro	Trp	Lys	Leu	Asn	Gly	Thr	Asp	Pro	Asp	Xaa	Phe	His
			20					25					30		

Tyr	Asp	Trp	Ala
			35

&lt;210&gt; 8321

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8321

Val	Ala	His	Asp	Cys	Xaa	Ser	Met	Leu	Ser	Leu	Ser	Phe	Lys	Trp	Gly
1					5				10				15		



7383

Xaa Arg

&lt;210&gt; 8322

&lt;211&gt; 55

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7384

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8322

Ile Asp Ala Xaa Phe Leu Phe Ser Leu Ala Val Asn Lys Ser Ala Pro  
1 5 10 15

Asn Xaa Lys Xaa Xaa Lys Arg Ala Xaa Ala Leu Xaa Asp Pro Ser Leu  
20 25 30

Arg Thr Xaa Cys Met Xaa Arg His Ser Ser Ser Ile Gly Val His Leu  
35 40 45

Asn Ser Ile His Trp Ala Xaa  
50 55

&lt;210&gt; 8323

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8323

Gly Lys Leu Glu Lys Asn Xaa Ile Phe Lys Leu Trp Xaa Pro Xaa Thr  
1 5 10 15

Xaa

7385

&lt;210&gt; 8324

&lt;211&gt; 72

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8324

Thr	Asn	Asn	Lys	Gln	Arg	Glu	His	Trp	Val	Asp	Phe	Gln	Val	Leu	Asn
1				5					10					15	

Thr	Ser	Thr	Tyr	Gly	Ile	Met	Val	Asp	Trp	Val	Ser	Leu	Tyr	Ser	Thr
			20					25					30		

Xaa	Met	Val	Arg	Arg	Cys	Phe	Thr	Lys	Phe	Val	His	Gln	Thr	Pro	Val
	35						40					45			

Gln	Leu	Ser	Gln	Cys	Gly	Leu	Lys	Met	Gln	Leu	Xaa	Phe	Ile	Phe	Phe
50						55					60				

Cys	Lys	Cys	Leu	Gly	Phe	Phe	Val
65					70		

&lt;210&gt; 8325

&lt;211&gt; 95

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8325

Val	Lys	Ser	Asn	Gly	Thr	Gly	Ser	Gln	Leu	Pro	Trp	Pro	Thr	Arg	Ala
1				5					10					15	

Ala	Leu	Gly	Leu	Leu	Pro	Thr	Leu	Pro	Asp	Pro	Thr	Leu	Ala	Gln	Ala
			20					25					30		

Ala	Leu	Gly	Leu	His	Pro	Pro	Asn	Leu	Arg	Ala	Gly	Trp	Leu	Val	Pro
			35				40					45			

## 7386

Gln His Ile Arg Gln Ala Ser Gly Gln Gly Pro Leu Thr Cys Pro Ile  
           50                          55                          60

Pro Ala Gly Lys Leu Gln Ser Ile Arg Ala Val Val Thr Gly Ser Leu  
       65                          70                          75                          80

Thr Ser Val Leu Cys Ser Arg Pro Gly Ile Leu His Trp Ala Leu  
                           85                          90                          95

&lt;210&gt; 8326

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8326

Arg Xaa Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Glu Lys  
       1                          5                          10                          15

Lys Asn Ile Leu Arg Met Lys Tyr Xaa Met Gly Arg Gly Tyr Lys Arg  
                           20                          25                          30

His Xaa Xaa Lys Pro Asn Leu Gln Pro  
           35                          40

&lt;210&gt; 8327

&lt;211&gt; 54

&lt;212&gt; PRT

7387

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8327

Gly	Pro	Gly	Trp	Val	Thr	Cys	Pro	Leu	Trp	Thr	Cys	Phe	Phe	Asn	Trp
1				5					10					15	

Arg	Arg	Ser	Leu	Pro	Met	Leu	Thr	Phe	His	Cys	Arg	Lys	Met	Gly	Pro
			20					25					30		

Leu	Val	Ser	Leu	Tyr	Gln	Gly	Gln	Val	Pro	Leu	Cys	Gly	Gly	Gly	Lys
		35					40					45			

Ala	Xaa	Gly	Xaa	Leu	Ser
					50

&lt;210&gt; 8328

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8328

Phe	Thr	Ile	Thr	Met	Ala	Leu	Arg	Phe	Asp	Leu	Ser	Trp	Xaa	Leu	Val
1					5				10				15		

7388

Leu Xaa Met Val Xaa Arg Leu Leu Pro Leu Ala Asn Asn Trp Pro His  
                   20                                  25                                  30

His

&lt;210&gt; 8329

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8329

Met Pro Thr His Phe Arg Glu Ser Xaa Tyr Ala Cys Arg Tyr Arg Ser  
       1                                  5                                  10                                  15

Gly Ile Pro Gly Phe Asp Pro Arg Phe Arg Gln Ser Asn Pro Leu Leu  
                   20                                  25                                  30

Xaa His Xaa Asp Thr Lys Ala Xaa His Gly Ala Gly Lys Pro Thr  
           35                                  40                                  45

&lt;210&gt; 8330

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

7389

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8330

Thr His Tyr Tyr Leu Xaa Ser Trp Pro Ala Cys Arg Tyr Arg Ser Gly  
 1 5 10 15

Ile Pro Gly Ser Thr His Ala Phe Ala Glu Met Arg Val Leu Ala Tyr  
 20 25 30

Arg Xaa Phe  
 35

&lt;210&gt; 8331

&lt;211&gt; 69

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8331

Ala Val Leu Ile Asp Gln Phe Leu Thr Leu Asp Cys Leu Leu Met Leu  
 1 5 10 15

Tyr Pro Ser Pro Pro Gly Leu Leu His Pro His Cys Gly Ile Arg His  
 20 25 30

Gln Pro His Asn Val Pro Asp Lys Ala Trp Lys Gly Val Asp Pro Asp  
 35 40 45

Val Glu Trp Ser Asp Ser Leu Asp Val Tyr Ile Tyr Leu Cys Val Ser  
 50 55 60

Pro Ser Phe Gln Ser  
 65

&lt;210&gt; 8332

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

## 7390

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8332

Gly	Xaa	Pro	Thr	Gly	Phe	Gly	Trp	Xaa	Gly	Pro	Ala	Trp	Trp	Gly	Leu
1				5					10					15	

Leu	Lys	Xaa	Pro	Leu	Thr	Gln	Pro	Leu	Phe	Xaa	Glu	Lys	Phe	Xaa	Pro
			20					25					30		

Trp	Trp	Gly	Xaa	Xaa	Gly	Trp	Ala	Leu	Pro	Leu	Gly	Xaa	Met	Pro	Pro
		35					40					45			

Met	Lys	Lys	Arg
			50



7391

&lt;210&gt; 8333

&lt;211&gt; 103

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (58)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (78)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (82)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (84)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (99)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (102)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8333

Gly	Glu	Arg	Gly	Ala	Gly	Gly	Val	Leu	Gly	Gly	Leu	Leu	Ala	Pro	Gly
1				5					10					15	

Gly	Asn	Arg	Val	Leu	Leu	Arg	Ser	Thr	Gln	Val	Phe	Ile	Cys	Thr	Ser
			20					25					30		

Pro	Leu	Leu	Lys	Tyr	His	His	Cys	Val	Gly	Glu	Lys	Tyr	Arg	Trp	Val
			35				40						45		

Glu	Gln	His	Leu	Gly	Pro	Gln	Phe	Val	Xaa	Arg	Ile	Ile	Leu	Thr	Arg
			50			55						60			

Asp	Lys	Thr	Val	Val	Leu	Gly	Asp	Leu	Leu	Ile	Asp	Asp	Xaa	Asp	Thr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

7392

65	70	75	80
Val Xaa Gly Xaa Glu Asp Asp Pro Lys Leu Gly Ala His Leu Val Tyr			
	85	90	95
Leu Leu Xaa Gln Ser Xaa Pro			
	100		

&lt;210&gt; 8334

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8334

Arg Trp Met Arg Val Pro Val Cys Val Trp Gly Gly Gly Glu Gly Arg
1 5 10 15

Ala Gly Pro Arg Ala Xaa Val Glu Gly Ala Gly Gly Arg Xaa Ala Val
20 25 30

Arg Arg Gly His Pro Gly Pro Trp Gly Leu Ala Gly Arg Arg Val Xaa
35 40 45

Ser Xaa Arg Xaa Arg Gly Gly Gly

7393

50

55

&lt;210&gt; 8335

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8335

Cys Gln Xaa Gly Leu Gly Met Met Thr Val Gly Xaa Glu Ile His Arg

## 7394

1                      5                      10                      15  
 Thr Asp Ser Ser Pro Gln Cys Thr Xaa Ile Xaa Val Ala Xaa Arg Cys  
                                  20                                   25                                   30  
 Cys Cys Thr Trp Xaa Arg Xaa Leu Ile Xaa Glu Pro Ser Ala Val Thr  
                                  35                                   40                                   45  
 Ser His Leu Tyr Ala Thr Glu His Ile Met Ser Gln Glu Gly Phe Gly  
                                  50                                   55                                   60  
 Gly  
 65

&lt;210&gt; 8336

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8336

Leu Gly Asp Tyr Lys Val Leu Asn Val Leu Val Thr Ile Ser Gln Tyr  
 1                                   5                                   10                                   15

Thr Ser Arg Lys Arg Phe Arg Phe Leu Phe Leu Lys Tyr Phe His Phe  
                                  20                                   25                                   30

Phe Leu Glu Xaa Tyr Ile Arg Leu Phe Thr Arg Thr Cys Leu Ala Tyr  
                                  35                                   40                                   45

Xaa Arg Gly Tyr Ile Leu  
 50

&lt;210&gt; 8337

&lt;211&gt; 61

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

## 7395

<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (58)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (59)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (61)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8337  
Ser Ala Ala Cys Thr Pro Ala Ala Tyr Ile Phe Leu Ala Thr Lys Leu  
1 5 10 15  
Pro Ala Thr Gly Ser Ala Xaa Pro Met Ser Trp Ser Val Ile Thr Glu  
20 25 30  
Gln Leu His Ser Trp Leu Trp Met Leu Ser Ala Asp Asn Leu Ala Glu  
35 40 45  
Asp Leu Tyr His Ile Leu Ser Thr Arg Xaa Xaa Leu Xaa  
50 55 60

<210> 8338  
<211> 74  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

## 7396

<221> SITE  
 <222> (33)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (54)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (58)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (59)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (63)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (67)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8338

Tyr Leu Pro Ser Gln Thr Leu Cys Ser Phe His Phe Arg Val Leu Ala  
 1 5 10 15

Ala Cys Gly Leu Xaa Gln Val Ala Cys Arg Xaa Ala Lys Gly Ser Asn  
 20 25 30

Xaa His Thr Met Leu Ser Arg Met Val Leu Gly Leu Glu Ala Gln Leu  
 35 40 45

Val Gly Glu Ile Pro Xaa Glu Pro Thr Xaa Xaa Asn Val Val Xaa Leu  
 50 55 60

Arg Leu Xaa Leu Arg Glu Arg Phe Trp Gly  
 65 70

<210> 8339

<211> 34

<212> PRT

<213> Homo sapiens

7397

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8339

Gly Lys Lys Gly Pro Trp Gly Leu Ser Val Ser Leu Ala Lys Gly Val  
1 5 10 15

Asn Xaa Arg Gly Ser Xaa Gly Glu Asn Ile Ser Xaa Arg Gly Gly Ser  
20 25 30

Val Ser

&lt;210&gt; 8340

&lt;211&gt; 49

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

## 7398

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8340

Trp	Gln	His	Thr	Gly	Thr	Leu	Ile	Arg	Lys	Thr	Trp	Ala	Arg	His	Arg
1				5				10						15	

Gln	Lys	Ser	Leu	Phe	Ile	His	Pro	Cys	Gln	Arg	Val	Xaa	Phe	Arg	Arg
			20					25					30		

Xaa	Glu	Met	Met	Asp	Tyr	Gln	His	Leu	Xaa	Pro	Thr	Thr	Gln	Ile	Xaa
		35					40					45			

Xaa

<210> 8341

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8341

Phe	Trp	Glu	Lys	Ala	Pro	Xaa	Phe	Leu	Gly	Gly	Lys	Lys	Ser	Pro	Gly
1				5				10						15	

Thr	Cys	Lys	Arg	Xaa	Phe	Phe	Xaa
				20			



## 7399

<210> 8342  
<211> 33  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8342  
Arg Ser Leu Tyr Gln Phe Val Ser Ile Asn Val Xaa Xaa Tyr Gln His  
1 5 10 15  
Phe Ala Lys Thr Val Xaa Gly Thr Arg Phe Xaa Ser Glu Ser Xaa Leu  
20 25 30

His

<210> 8343  
<211> 23  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

7400

<220>  
 <221> SITE  
 <222> (18)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8343  
 Ala Gln Gly Leu Leu Leu Pro Ser Pro Pro Pro Pro Val Ile Ser Phe  
           1                          5                          10                          15

Xaa Xaa Phe Phe Lys Xaa Arg  
                           20

<210> 8344  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (10)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8344  
 Arg Phe Leu Xaa Pro Thr Val Val Gly Xaa Gly Ser Arg Val Ala Gly  
           1                          5                          10                          15

Cys

<210> 8345  
 <211> 53  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE

## 7401

<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (12)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (53)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8345  
Asn Xaa Xaa Xaa Trp Gly His Glu Ile Tyr Gly Xaa Ile Asn Tyr Arg  
1 5 10 15  
Thr Gln Tyr Ser Lys Asn Lys Val Leu Leu Arg Phe Leu Pro Asp Ser  
20 25 30  
Pro Trp Gly Thr His Arg Cys Ile Leu Pro Ala Ser His Pro Ser Arg  
35 40 45  
Glu Asn Xaa Leu Xaa  
50

<210> 8346  
<211> 59  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (38)

7402

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8346

Ile	Leu	His	Ser	Phe	Thr	Ile	Asn	Gly	Leu	Asp	Phe	Lys	Thr	Gln	Lys
1				5				10						15	

Pro	Lys	Asn	Lys	Met	Lys	Leu	Asp	Asn	Phe	Arg	Phe	Cys	Val	Val	Cys
			20					25					30		

Thr	Ser	Met	Cys	Thr	Xaa	Cys	Lys	Leu	Ser	Phe	Ile	Gly	Leu	Leu	Asn
		35					40					45			

Arg	Ile	Xaa	Lys	Xaa	Lys	Phe	Asn	Ser	Xaa	Xaa
		50				55				

<210> 8347

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

7403

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8347  
Arg Xaa Gln Lys Gly His Gly Ile Asn Gly His Pro Thr Arg Asp Lys  
1 5 10 15  
His Arg Asp Thr Gln Gly Lys Xaa Xaa Thr Gln Arg Asp Thr Glu Xaa  
20 25 30  
Xaa Thr Gly Arg Xaa Thr  
35

<210> 8348  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8348  
Asp Gly Ser Asn Leu Asp Leu Glu Xaa Ser Tyr Ile Lys  
1 5 10

<210> 8349  
<211> 29

7404

<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8349  
Leu Phe Leu Ser Gly Gly Gln Gly Leu Gly Ser Gly Leu Ser Leu Ser  
1 5 10 15

Gly Leu Xaa Asp Pro Arg Val Glu Ser Xaa Xaa Xaa Ala  
20 25

<210> 8350  
<211> 32  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

7405

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8350

Arg	Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Xaa	Thr	His	Ala	Ser	Xaa	Lys	Ala
1				5				10						15	

Ser	Ser	Cys	Cys	Gly	Xaa	Glu	Xaa	Val	Xaa	Leu	Met	Thr	Asn	Gly	Glu
			20					25					30		

&lt;210&gt; 8351

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

7406

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8351

Gly Val Ala Phe Thr Xaa Xaa Ala Asp Xaa Val Glu Xaa Xaa Val Lys  
1 5 10 15

Ser

<210> 8352

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids



7407

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8352

Xaa	Xaa	Tyr	Asn	Arg	Glu	Ser	Trp	Tyr	Ala	Cys	Arg	Tyr	Arg	Ser	Gly
1				5					10					15	

Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Ala	Pro	Pro	Met	Gln	Ala	Thr	Ser
			20					25					30		

Pro	Pro	Ser	Ser	Leu	Asn	Val	Xaa	Pro	Ser	Pro	Pro	Ser	Lys	Gly	Asn
		35					40					45			

Ile	Pro	Tyr	Pro	Leu	Xaa	Xaa	Glu	Ile	Val	Leu	Ser	Asn	Ser	Pro	Xaa
	50					55					60				

Cys	Trp	Leu	Pro	Pro	Xaa	Lys	Xaa	Trp	Gly	Arg	His	Pro	Ala	Trp
65					70					75				

&lt;210&gt; 8353

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

## 7408

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8353

Ser	Gly	Gly	Ser	Thr	Phe	Lys	Ser	Ser	Phe	Lys	His	Xaa	Ile	Phe	Xaa
1				5				10				15			

Val	Xaa	Xaa	Phe	Asn	Leu	Ile	Asp	Arg	Arg	Glu	Leu	Ala	Pro	Leu	Gln
			20				25					30			

Glu	Leu	Ile	Glu	Lys	Leu	Thr	Ser	Xaa	Asp	Arg
	35					40				

<210> 8354

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

7409

&lt;222&gt; (66)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8354

Val Xaa Gln Xaa Ser Gln Asp Leu Ser Leu Gln Glu Ala Glu Thr Glu  
1 5 10 15

Gln Ser Asp Thr Leu Asp Asn Lys Glu Ala Val Ile Leu Xaa Glu Lys  
20 25 30

Pro Pro Ser Gly Arg Gln Thr Pro Gln Pro Leu Arg His Xaa Ser Tyr  
35 40 45

Ile Leu Ala Val Asn Asp Gln Xaa Thr Xaa Ser Asp Thr Thr Cys Trp  
50 55 60

Leu Xaa Asn Asp Ala Arg Gln Arg Ser Thr  
65 70

&lt;210&gt; 8355

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7410

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8355

Arg	Xaa	Lys	Xaa	Xaa	Arg	Xaa	Gln	Val	Pro	Val	Arg	Asn	Ser	Xaa	Val
1				5					10					15	

Asp	Pro	Arg	Val	Arg	Arg	Ser	Arg	Ala	Asp	Ala	Gly	Leu	Leu	Arg	Ala
			20					25						30	

Gly	Pro	Arg	Ala	Ser	Xaa	Pro	Xaa	Arg	Pro	Gly	Ser	Leu	His	Leu	Cys
			35					40						45	

Xaa Ser

50

&lt;210&gt; 8356

&lt;211&gt; 30

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8356

## 7411

Met Leu Asp Ile Ile Ile His Val Ser Gly Ile Glu Ile Glu Thr Glu  
 1 5 10 15

Asn Lys Cys Phe Lys Val Phe Tyr Thr Xaa Lys Lys Xaa Xaa  
 20 25 30

<210> 8357

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8357

Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Asp Ile Xaa  
 1 5 10 15

Gly Ala Ile Xaa Gln Pro Ala Xaa Thr Ile Ser Gln Xaa Asp Xaa Ile  
 20 25 30

<210> 8358

7412

<211> 45  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8358  
Asp Xaa Asn Glu Lys Asn Xaa Ala Phe Leu Gln Arg Leu Asn Leu Arg  
1 5 10 15  
Ser Arg Xaa Ser Leu Ser Xaa Xaa Asn Leu Gly Thr Thr Leu Gly Cys  
20 25 30  
Asn Leu Gln Lys Thr Phe Gly Phe Gly Gly Trp Xaa Thr  
35 40 45

<210> 8359  
<211> 92  
<212> PRT  
<213> Homo sapiens

## 7413

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (10)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (45)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (48)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (67)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (70)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (73)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

7414

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (80)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8359

Gly Xaa Cys Thr Gly Xaa Ser Pro Cys Xaa Tyr Ser Xaa Arg Asn Ser  
 1 5 10 15

Arg Val Asp Pro Arg Val Arg Arg Ser Glu Ile Leu Phe Trp Ile Arg  
 20 25 30

Gln Met Cys Leu Leu Ala Cys Pro Glu Gly Glu Lys Xaa Ala Cys Xaa  
 35 40 45

Gln Ala Phe Xaa Arg Lys Leu Val Gly Ser Trp Pro Lys Asp Glu Asp  
 50 55 60

Tyr Cys Xaa Arg Pro Xaa Ile Asn Xaa Ile Xaa Gly Lys Asp Tyr Xaa  
 65 70 75 80

Thr Cys Gly Leu Lys Met Lys Gly Thr Phe Leu Gln  
 85 90

&lt;210&gt; 8360

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (59)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;



7415

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8360

Tyr Gly Ile Asp Val Thr Leu Tyr Leu Gln Asn Ile Leu Phe Leu Ser  
 1 5 10 15

Leu Pro Gln Glu Lys Lys Gln Phe Tyr Phe Tyr Gly Thr Arg Leu Asp  
 20 25 30

Xaa Thr Phe Leu Ile Asn Tyr Met Xaa Val Tyr Ser Thr Phe Lys Ile  
 35 40 45

Ala Met Glu Lys Phe Asn Tyr Phe Gln Gln Xaa Leu Xaa Leu Ser  
 50 55 60

&lt;210&gt; 8361

&lt;211&gt; 92

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (88)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (89)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (91)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8361

Xaa Leu Ala Arg Leu Xaa Val Pro Val Arg Asn Ser Arg Val Asp Pro

## 7416

1	5	10	15
Arg Val Arg Pro Arg Ser Ser Ser Gly Ser Pro Leu Val Thr Arg Val	20	25	30
Pro Arg Ala Ser Pro Ala Pro Glu Gly Pro Ala Ser Gly His Gly Ala	35	40	45
Leu Pro Gly Gly Ala Gly Leu Arg Ala Gly His Glu Arg Gly Ala Ala	50	55	60
Ala Arg Pro Arg Ala His Gly Gly Arg Ser Ala Ala Arg Pro Gly Thr	65	70	75
Leu Gly Gln Pro Arg Gly Gly Xaa Xaa Glu Xaa Gly	85	90	

&lt;210&gt; 8362

&lt;211&gt; 27

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8362

Xaa Ser Ser Tyr Xaa Ser Ile His Ile Asn Ile Ser Val Leu Thr Cys	1	5	10	15
---	---	---	----	----

Lys Lys Met Xaa Arg Tyr His Thr Tyr Ile Leu	20	25
---	----	----

&lt;210&gt; 8363

&lt;211&gt; 48

&lt;212&gt; PRT

7417

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8363

Cys	Arg	Glu	Tyr	Xaa	Glu	Glu	Xaa	Lys	Arg	Asp	Cys	Trp	Arg	Thr	Val
1					5				10					15	

Thr	Arg	Val	Ser	Ser	Ile	Thr	Ser	Leu	Ser	Tyr	Ile	Ile	His	Xaa	Ser
			20					25					30		

Ile	Ser	Leu	Ala	His	Gly	Ser	Arg	Pro	Xaa	Cys	Xaa	Val	Cys	Xaa	Asp
		35						40				45			

&lt;210&gt; 8364

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

7418

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8364

Ser	Leu	Thr	Gly	Met	Xaa	Ser	Ala	Ser	Ser	Leu	Glu	Leu	Asn	Ala	Ala
1				5				10						15	

His	Ala	Glu	Lys	Asn	Asn	Xaa	Tyr	Xaa	Phe	Xaa	Trp	Val	Leu	Ala	Leu
			20				25						30		

&lt;210&gt; 8365

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8365

Met	Ser	Asp	Asn	Leu	Glu	Met	Ile	Ala	Tyr	Leu	Lys	Arg	Tyr	Arg	Lys
1				5				10						15	

7419

Asp His Leu Asn Ile Trp Lys Asn Glu Ile Arg Val Lys Leu Asn Lys  
20 25 30

Xaa Leu Leu Thr Xaa Leu Lys Lys  
35 40

&lt;210&gt; 8366

&lt;211&gt; 82

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8366

Ser Ser Leu Lys Thr Phe Thr Ile Phe Glu Arg Trp Xaa Pro Ala Gly  
1 5 10 15

Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Met Val Ser Phe  
20 25 30

Phe Leu Gln Arg Asn Leu Ile Phe His Phe Asn Leu Ser Leu Ala Tyr  
35 40 45

Ser Ser Gln Trp Gly Leu Leu Lys Asn Ser Phe Pro Ser Tyr Ser Pro  
50 55 60

Phe Glu Leu Lys Val Gln Lys Lys Lys Ile Leu Leu Lys Cys Cys Asp  
65 70 75 80

Gln Ile

&lt;210&gt; 8367

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7420

<221> SITE  
<222> (16)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (17)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8367  
Ala Gln Gly Leu Leu Leu Pro Ser Pro Pro Pro Val Ile Xaa Xaa  
1 5 10 15

Xaa

<210> 8368  
<211> 88  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8368  
Xaa Ser Pro Gly Pro Ile Leu Ile Arg Arg Gly Val Cys Gln Ala Ala  
1 5 10 15

Gln Val Ser Leu Pro Pro Pro Gly His Pro His Gln Val Ala Ser His  
20 25 30

Arg Leu Gln Glu Arg Lys Thr Arg Trp Ser Arg Phe His Ser Ala Leu  
35 40 45

Ala Ala Ala Ser Arg Phe Ile Cys Thr Ser Leu Ser Met Arg Ala Cys  
50 55 60

Glu Leu Pro Gly Arg Ala Glu Phe Lys Lys Met Lys Tyr Cys Met Arg  
65 70 75 80

Arg Ala Ser Leu Leu Lys Arg Val  
85

<210> 8369  
<211> 59

## 7421

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (59)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8369

Leu	Val	His	Arg	Glu	Ser	Ser	Tyr	Tyr	Ile	Glu	Xaa	Trp	Tyr	Pro	Cys
1				5					10					15	

Arg	Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Glu	Xaa	Leu
			20					25					30		

Gln	Ser	Pro	Glu	Leu	Ile	Pro	Ile	Glu	Gly	Ala	Met	Ala	Phe	Lys	Ile
		35					40					45			

Lys	Met	Lys	Gly	Glu	Leu	Lys	Gln	Leu	Lys	Xaa
	50					55				

&lt;210&gt; 8370

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

7422

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8370

Glu	Gly	Xaa	Trp	Lys	Pro	Phe	Arg	Xaa	Xaa	Arg	Pro	Gly	Thr	Pro	Ala
1				5				10					15		

Gly	Thr	Arg	Ser	Gly	Ile	Xaa	Gly	Ser	Thr	His	Ala	Phe	Ala	Asn	Pro
			20					25					30		

<210> 8371

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8371

Arg	Xaa	Lys	Trp	Asn	Xaa	Gly	Thr	Thr	Leu	Lys	Ala	Gly	Thr	Pro	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



## 7423

1                    5                    10                    15  
Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Val Ala Trp  
                  20                    25                    30  
Gly Lys Ile Glu Trp Xaa Gln Xaa Gly Xaa Arg Ser Lys Ala Leu Ala  
                  35                    40                    45

<210> 8372  
<211> 40  
<212> PRT  
<213> Homo sapiens

<400> 8372  
Leu Glu Tyr Leu Leu Phe Asp Cys Phe Leu Leu Arg Asn Ile Arg Leu  
1                    5                    10                    15  
Gly Ala Met Met Asn Asp Leu Val Lys Ser Cys Val Phe Leu Arg Lys  
                  20                    25                    30  
Phe Leu Asn Ile Asn Phe Leu Asn  
                  35                    40

<210> 8373  
<211> 54  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

7424

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8373

Lys Ile Phe Asn Lys Tyr Phe His Arg Thr Glu Leu Thr Thr Gly Ala  
1 5 10 15

Cys Asn Lys Asn Phe Xaa Thr Gly Ala Gly Lys Thr Xaa Leu Leu Gly  
20 25 30

Gly Asn Xaa Pro Ile Trp Lys Gly Leu Pro Phe Met Gly Pro Pro Trp  
35 40 45

Lys Xaa Trp Glu Val Gly  
50

&lt;210&gt; 8374

&lt;211&gt; 74

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (71)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8374

Ala Thr Ile Ser Met Ser Pro Arg Asn Gly Pro Asn Pro Glu Ser Ser

## 7425

1	5	10	15
Pro Leu Asp Phe Met Asp His Gly Ala Asp His Leu Tyr Leu Val Leu			
	20	25	30
Glu Leu Lys Asn Cys Ser Leu Cys Glu Asn Glu Pro Leu Asp Gln Ser			
	35	40	45
Leu Leu Lys Gln Thr Asn Met Lys Xaa Lys Lys Lys Xaa Leu Xaa Lys			
	50	55	60
Lys Lys Lys Xaa Lys Lys Xaa Lys Lys Lys			
	65	70	

&lt;210&gt; 8375

&lt;211&gt; 78

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (61)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (70)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (75)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7426

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8375

Arg Ile Asp Xaa Xaa Gly Thr Pro Thr Ile Gly Met Leu Val Arg Leu  
1 5 10 15

Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Gly Arg  
20 25 30

Val Gly Glu Tyr Gly Ile Ser Ser Xaa Asp Gln Lys Gly Glu Thr Ile  
35 40 45

Lys Thr Arg Tyr Ile Pro Lys Pro Asn Pro Lys Phe Xaa Phe Lys Phe  
50 55 60

Phe Ile Ile Phe Gln Xaa Leu Ser His Thr Xaa Xaa Ile Leu  
65 70 75

&lt;210&gt; 8376

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8376

Lys Gly Glu Asp Arg Lys Xaa Lys Xaa Xaa Met Asn Val Xaa  
1 5 10

7427

&lt;210&gt; 8377

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8377

Ile Pro Ala Ala Thr Trp Glu Lys Glu Val Ala Gly Pro Gly Glu Lys  
1 5 10 15

Ala Val Met Lys Pro Ile His Phe Glu Gly Ser Thr Ile Ser Thr Leu  
20 25 30

Phe Phe Glu Leu Trp Gln Phe Gln Cys Leu Ser Leu Leu Arg Gly  
35 40 45

Ile Ser  
50

&lt;210&gt; 8378

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8378

Pro Xaa Thr Ile Xaa His Glu Leu Xaa Ser Leu Gln Asn Gln Glu Gly  
1 5 10 15

7428

Ala Met Xaa Gly Ser  
20

&lt;210&gt; 8379

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8379

Gly Ser Ser Pro Val Lys Gln Ser Tyr Ile Lys Pro Xaa Xaa Arg Lys  
1 5 10 15

Gln

&lt;210&gt; 8380

&lt;211&gt; 57

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8380

Gly Leu Lys His Ile Val Lys Asp Glu Ser Ser Phe Gly Glu Lys Gly  
1 5 10 15

Ser Pro Val Glu Ser Ser Leu Val Ile Ala Cys Gly Ser Lys Phe Ser  
20 25 30

Ala Ser Phe Thr Val Ala Cys Ile Val Val Leu Leu Leu Gly His Leu  
35 40 45

Cys Phe Ile Trp Lys Cys Arg Gln Glu  
50 55

&lt;210&gt; 8381

## 7429

<211> 75  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (42)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (53)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (64)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (65)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8381  
 Asn Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro  
   1                  5                  10                  15  
 Thr Arg Pro Ile Glu Xaa Ala Xaa Glu Thr Ser Ala Leu Thr Ser Leu  
                   20                  25                  30  
 Arg Arg Gly Arg Asp Pro Glu Pro Leu Xaa Lys Ala Thr Arg Pro Asp  
           35                  40                  45  
 Val Leu Arg Arg Xaa Ser Pro Glu Thr Ser Gly Gln Arg Gln Ala Xaa  
   50                  55                  60  
 Xaa Gly Gly Glu Arg Gly Leu Gly Leu Arg Leu  
   65                  70                  75

7430

&lt;210&gt; 8382

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8382

Xaa	Arg	Ala	Xaa	Val	Arg	Asp	Xaa	Asn	Pro	Gln	Xaa	Ala	Lys	Thr	Ser
1				5					10					15	

Leu	Glu	Lys	His	Arg	Asp	Arg	Pro	Gly	Glu	Met	Gly	Arg	Arg	Tyr	Gly
			20					25						30	

Val	Arg	His	Leu	Leu	Gln	Lys	Lys	Pro	Ala	Phe	Ser	Xaa	Gln	Gly	Ala
			35				40						45		

&lt;210&gt; 8383

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens



## 7431

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (47)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (49)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8383  
Gly Xaa Xaa Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp  
1 5 10 15  
Pro Arg Val Arg Lys Val Ala Leu Phe Leu Leu Asp Leu Ala Glu Gly  
20 25 30  
Xaa Ala Xaa Gly Val Gly Glu Ile Lys Lys Asn Leu Lys Trp Xaa Lys  
35 40 45  
Xaa Glu Met  
50

<210> 8384  
<211> 85  
<212> PRT  
<213> Homo sapiens

<220>

7432

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (68)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8384

Asn	Leu	Xaa	Ser	Val	Phe	Lys	Glu	Ser	Gln	Asp	Pro	Ile	Met	Pro	Ser
1				5					10					15	

Phe	Phe	Ser	Ser	Leu	Leu	Ser	Leu	Phe	Leu	Thr	Leu	Pro	Lys	Lys	Tyr
			20					25					30		

Leu	Phe	Leu	Trp	Phe	Asn	Lys	Trp	Ser	Leu	Xaa	Tyr	Gly	Thr	Met	Thr
		35					40					45			

Lys	Ile	Pro	Ala	Thr	Cys	Phe	Leu	Leu	Tyr	Glu	Tyr	Met	Arg	Pro	Thr
		50				55					60				

Phe	Ile	His	Xaa	Ser	Ser	Met	Lys	Leu	Ser	Leu	His	Ser	Lys	His	Arg
65						70				75					80

Ala	Glu	Thr	Ser	Thr
				85

&lt;210&gt; 8385

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

7433

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8385

Gly Ser Arg Ser Arg Val Ala Ala Leu Phe Phe Trp Xaa Phe Phe Phe  
1 5 10 15

Xaa Xaa Ile Lys Arg  
20

&lt;210&gt; 8386

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8386

Ala Gln Gly Leu Leu Leu Pro Ser Pro Pro Pro Xaa Gly Met Phe Xaa  
1 5 10 15

Xaa Tyr

&lt;210&gt; 8387

&lt;211&gt; 79

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7434

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (73)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8387

Lys	Arg	Arg	Ala	Asp	Gly	Ile	Gln	Leu	Pro	Lys	Phe	Val	Ser	Lys	Ser
1					5				10					15	

Cys	Phe	Met	Glu	Leu	Arg	Leu	His	Phe	Val	Cys	Met	Ala	Leu	Lys	Asn
			20					25					30		

Arg	Ile	Gln	Ile	Ser	Ala	Phe	Glu	Lys	Gly	Glu	Thr	Leu	Tyr	Gln	Leu
		35						40					45		

Xaa	Leu	Leu	Lys	Asn	Gly	Ile	Ser	Leu	His	Phe	Glu	Ile	Val	Asn	Ser
	50						55					60			

Thr	Leu	Lys	Tyr	Ser	Ala	Thr	Cys	Xaa	Lys	Phe	Xaa	Ser	Lys	Leu
65						70					75			

&lt;210&gt; 8388

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7435

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8388

Leu	Lys	Val	Ser	Ser	Phe	Pro	Pro	Pro	Pro	Pro	Pro	Ser	Gly	Leu	Xaa
1				5				10						15	

Phe	Leu	Ser	Tyr	Leu	Asp	Ser	Xaa	Ala	Ser	Cys	Leu	Pro	Xaa	Ser	Phe
			20					25					30		

Leu	Glu	Ala	Arg	Leu	Leu	Leu	Trp	Gly	Arg	Xaa	Gly	Trp	Leu
		35					40					45	

&lt;210&gt; 8389

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8389

Xaa	Tyr	Xaa	Val	Val	Gln	Xaa	Gly	Gln	Xaa	Leu	Glu	Cys	Phe	Lys	Ile
1				5					10					15	

Ser	Ile	Leu	Asp	Phe	Ser	Leu	Ala	Phe	Ile	Asp	Xaa	Leu	Gly	Cys	Gly
			20					25					30		

## 7436

His Cys Leu Lys Tyr Met Thr Val Ser Ser Gln Lys Pro Tyr Thr Leu  
           35                                  40                                  45

Asn Phe Thr Lys Ile Ile  
           50

<210> 8390

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8390

Leu Val Xaa Val Leu Ser Tyr Xaa Asn Phe Lys Gly Lys His Leu Lys  
       1                                  5                                  10                                  15

Ser Lys Ile Val Arg Ile Arg Xaa Ile Glu Val Glu Tyr His Xaa Arg  
                   20                                  25                                  30

Leu Asn Lys Ala Leu Val Xaa Met Lys Val Val Leu Phe Arg Arg Leu  
           35                                  40                                  45

Arg Tyr Leu  
       50

7437

<210> 8391  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (18)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8391  
 Glu Lys Arg Lys Arg Lys Gly Ile Asn Ser Ile Leu Ala Glu Xaa Ile  
     1                    5                    10                    15  
 Tyr Xaa Leu Ile Xaa Xaa  
                     20

<210> 8392  
 <211> 70  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

7438

<220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (25)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (29)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (52)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (56)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (58)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (64)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8392  
 Ala Trp Gly Thr Gly Xaa Glu Trp Pro Gly Arg Pro Xaa Arg Thr Lys  
 1 5 10 15  
 Lys Ile Ile Trp Val Asn Lys Xaa Xaa Tyr Lys Arg Xaa Lys Asn Leu  
 20 25 30  
 Arg Thr Arg Cys His Lys Tyr Glu Ile Gly Lys Asn Lys Val Thr Arg  
 35 40 45  
 Lys Trp Val Xaa Lys Asn Leu Xaa Gly Xaa Val Arg Ser Ile Gln Xaa  
 50 55 60  
 Trp Lys Gly Lys Asn Leu  
 65 70



7439

<210> 8393  
<211> 24  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8393  
Phe Tyr Thr Thr Ser Phe Pro Phe Leu Gln Val Asn Xaa Phe Thr Asn  
1 5 10 15

His Xaa Gly Tyr Leu Leu Asn Arg  
20

<210> 8394  
<211> 68  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (7)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

7440

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8394

Pro	Phe	Leu	Thr	Glu	Asp	Xaa	His	Trp	Lys	Leu	Met	Lys	Gly	Xaa	Asn
1					5				10					15	

Asn	Gly	Glu	His	His	Phe	Pro	Ala	Xaa	Asp	His	Thr	Ala	Asn	Ile	Xaa
			20					25					30		

His	Gly	Xaa	Xaa	Xaa	Tyr	Leu	Glu	Ala	Gln	Arg	Ser	Pro	Gly	Val	Ala
		35					40					45			

Lys	Leu	Gly	Ser	Pro	Val	Leu	Thr	Lys	Leu	Leu	Thr	Ala	Ser	Thr	Pro
	50					55					60				

Cys	Gln	Ile	Leu
			65

&lt;210&gt; 8395

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7441

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8395

Ala	Ser	Thr	Ala	Arg	Asn	Gly	Arg	Met	Arg	Asp	Gly	Lys	Lys	Ala	Ala
1				5					10					15	

Gly	Xaa	Lys	Gly	Ile	Xaa	Xaa
			20			

&lt;210&gt; 8396

&lt;211&gt; 65

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8396

Arg	Gly	Ala	Ala	Gly	Ala	Val	Glu	Pro	Gly	Thr	Ala	Glu	Arg	Arg	Gly
1				5					10					15	

Ala	Gly	Pro	Arg	Gly	Gly	Arg	Leu	Ala	Ala	Pro	Arg	Pro	Arg	Thr	Ser
			20					25					30		

Thr	Pro	Arg	Xaa	Ala	Cys	Ala	Xaa	Xaa	Cys	Xaa	Ala	Cys	Gly	Ala	Gly
			35				40					45			

Thr	Arg	Thr	Arg	Cys	Trp	Gly	Trp	Pro	Gly	Pro	Cys	Gly	Pro	Arg	Asp
						55					60				

Gly

7442

65

&lt;210&gt; 8397

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8397

Gly	Ile	Val	Gly	Gly	Ala	Pro	Gly	Gly	Leu	Xaa	Cys	Pro	Pro	Pro	Glu
1				5				10						15	

Leu	Gly	Ile	Ala	Ala	Asn	Xaa	Gly	Ser	Val	Pro	Gln	Leu	Lys	Thr	Ser
			20				25					30			

Ser	Gly	Met	Ser
		35	

&lt;210&gt; 8398

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7443

&lt;400&gt; 8398

Ile Pro Xaa Ser Ile His Ala Ser Ala Met Ser Xaa Xaa Ile Val Ile  
1 5 10 15

Asn

&lt;210&gt; 8399

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8399

Lys Lys Asn Ser Cys Xaa Ile Ser Arg Phe Xaa Xaa Ile Arg Thr Leu  
1 5 10 15

Tyr

&lt;210&gt; 8400

&lt;211&gt; 78

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

7444

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (57)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8400

Pro	Gly	Arg	Xaa	Arg	Val	Arg	Glu	Ser	Ser	Pro	Cys	Thr	Val	Gly	Xaa
1				5					10					15	

Ser	Gln	Arg	Arg	Pro	Gly	Thr	Xaa	Thr	His	Trp	Gly	Ala	Ser	His	Gly
			20					25					30		

Ala	Ala	Arg	Gly	Ala	Arg	Leu	Gly	Gly	Gly	Pro	Glu	His	Leu	Leu	His
		35					40					45			

Leu	Tyr	Ser	Gly	Trp	Ile	Phe	Lys	Xaa	Asp	Leu	Val	Val	Ala	Val	Ser
	50					55					60				

Leu	Ser	Tyr	Gln	Glu	Ala	His	Asp	Ile	Arg	Leu	Ser	Leu	Trp
65						70					75		

&lt;210&gt; 8401

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

7445

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8401

Pro	Xaa	Ala	Ile	Arg	Ala	Phe	Xaa	Ser	Xaa	Ser	Phe	Leu	Ile	Xaa	Ser
1				5				10				15			

Met	Cys	Met	Arg	Leu	Phe	Ile	Pro	Lys	Asp	Met	Lys	Glu	His	Asn	Val
			20					25				30			

Thr	Thr	Arg	Leu
			35

&lt;210&gt; 8402

&lt;211&gt; 61

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8402

Ile	His	Lys	Met	Thr	Met	Lys	Lys	Ile	Ile	Cys	Tyr	Gly	Ile	Leu	Ala
1				5				10					15		

Thr	Val	His	Ile	Phe	His	Asn	Gln	Ile	Ser	Ser	Thr	Gly	Leu	Asn	Leu
			20				25					30			

Met	Phe	Phe	Asn	Phe	Tyr	Ser	Leu	Arg	Cys	Phe	Glu	Ala	Ile	Arg	Ile
			35				40				45				

Cys	Val	Phe	Thr	Val	Leu	Xaa	Gly	Leu	Ile	Pro	Xaa	Val
	50					55				60		

&lt;210&gt; 8403

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

7446

<220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8403  
 Arg Val Ser Pro Gly Lys Ile Ser Pro Gly Gly Phe Arg Thr Pro Xaa  
 1 5 10 15  
 Arg Pro Phe Pro Xaa Xaa Leu Gly Leu Gly Phe Lys Leu Lys Arg Phe  
 20 25 30  
 Phe Phe Gln Xaa Ser Trp Ala Lys Lys Lys Lys Lys Xaa Phe Xaa  
 35 40 45

<210> 8404  
 <211> 77  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids



7447

<220>  
 <221> SITE  
 <222> (30)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (49)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (62)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (77)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8404  
 Arg Gln Val Ser Xaa Arg Ser Thr Arg Pro Leu Pro Ser Gly Arg Ala  
 1 5 10 15  
 Arg Leu Gln Val Pro Ala Ala Leu Arg His Ala Ser Ser Xaa Gly Leu  
 20 25 30  
 Ser Asn Lys Xaa Ala Asp Arg Arg Xaa Leu Gln Arg Leu Ile Pro Trp  
 35 40 45  
 Xaa Leu Gln Thr Gln Pro Thr Pro Ser Gly Pro Arg Ala Xaa Arg Leu  
 50 55 60  
 Leu Pro Ala Val Gly Gly Thr Arg Trp Pro Ala Arg Xaa  
 65 70 75

<210> 8405  
 <211> 49

7448

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8405

Gly Cys Pro Gly Gly Cys Pro Gln Val Gly Gly Ser Arg Gly Glu Lys  
1 5 10 15

Met Val Ala Ile Phe Thr Leu Phe Cys Ile Val Phe Ile Asp Ser Gly  
20 25 30

Asn Lys His Lys Ile Leu Asn Lys Met Thr Trp Lys Leu Pro Lys Lys  
35 40 45

Lys

&lt;210&gt; 8406

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

7449

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8406

Gly	Pro	Arg	Gly	Leu	Thr	Pro	Xaa	Gly	Ser	Pro	Arg	Gly	Lys	Xaa	Phe
1				5				10					15		

Xaa	Pro	Gly	Gly	Gly	Ser	Arg	Glu	Thr	Pro	Pro	Lys	Gly	Pro	Gly	Phe
		20						25				30			

Pro	Pro	Xaa	Lys	Thr	Leu	Phe	Thr	Phe	Gly	Gly	Xaa	Xaa	Xaa	Lys	Arg
		35					40				45				

Xaa	Ile
	50

<210> 8407

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

7450

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8407

Xaa	Xaa	Trp	Lys	Ala	Gly	Xaa	Pro	Ala	Gly	Thr	Gly	Pro	Glu	Phe	Pro
1				5					10					15	

Gly	Arg	Pro	Thr	Arg	Ser	Arg	Val	Ser	Asn	Pro	Ala	Xaa	Met	Ala	Xaa
			20					25					30		

Glu	Glu	Glu	Asp	Ala	Xaa	Xaa	Tyr	Asn	Leu	Thr
		35					40			

&lt;210&gt; 8408

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8408

Leu	Tyr	Thr	Xaa	Lys	Arg	Phe	Leu	Thr	Phe	Ile	Leu	Thr	Leu	Asn	Gly
1				5					10					15	

Ser	Thr	Leu	Gly	Phe	Arg	His	Val	Asn	Phe	Cys	Xaa	Val	Leu	Asn	Leu
			20					25					30		

Ser	Arg	Val	Ala	Cys	Arg
-----	-----	-----	-----	-----	-----

## 7451

35

<210> 8409  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (27)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (31)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8409  
 Ile Arg Arg Tyr Ser Leu Lys Cys Ile Asn Val Ser Leu Phe Lys Ser  
           1                  5                  10                  15  
 Glu Ser Leu Leu Met Ile Thr Ile Leu Tyr Xaa Ala Ile Asn Xaa Ile  
                   20                  25                  30

His

<210> 8410  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 8410  
 Gln Val Asn Val Val Gln Ile Ser Arg Ser Phe Tyr His Leu Lys Lys  
           1                  5                  10                  15  
 Lys Phe Ser Phe Val Val Phe Leu Leu Ser Pro Arg Ser Leu Asn Cys  
                   20                  25                  30

Gly

<210> 8411  
 <211> 134  
 <212> PRT

7452

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (95)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (107)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (121)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (122)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (127)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (133)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8411

Pro	Gly	Trp	His	Cys	His	Ser	His	Ser	Ala	Pro	Gly	Pro	Arg	Arg	Asp
1				5					10				15		

Ser	Ala	Trp	Ser	Leu	Xaa	Xaa	Ala	Gln	Pro	Ile	Cys	Val	Cys	Val	Cys
			20					25				30			

Ala	Cys	Asp	Ala	Thr	Ser	Pro	Pro	Val	Pro	Leu	Gln	Gly	Pro	Arg	Ile
		35						40				45			

## 7453

His Thr Ala Met His Ala His Thr Gly Pro Gly Pro Gly Pro Gln Ser  
 50 55 60

Ser Cys Leu Ser Trp Thr Leu Cys Lys His Phe Cys Ala Cys Trp Val  
 65 70 75 80

Gly Ala Arg Leu Lys Gly Pro Ala Pro Ser Leu Gln Asp Arg Xaa Pro  
 85 90 95

Gln Ala Gly Gln Gly Gly Ser Pro Trp Ile Xaa His Thr Asn Thr Thr  
 100 105 110

Arg Ala Arg Ala Thr His Ala Phe Xaa Xaa Leu Ile Leu His Xaa Thr  
 115 120 125

Pro Phe Pro Gly Xaa Ala  
 130

<210> 8412

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8412

Arg Thr Arg Gly Val Cys Leu Lys Gly Leu Ser Phe Ile Xaa Asn Trp  
 1 5 10 15

Xaa Xaa Asn Leu  
 20

<210> 8413

7454

<211> 43  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (38)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8413  
Leu Val Leu Asp Arg Glu Arg Pro Leu Ala Thr Ser Ser Arg Ser Arg  
1 5 10 15

Ala Ala Ala Arg Asp Leu Xaa Leu Ala Gly Ala Trp Val Xaa Pro Gly  
20 25 30

Phe Pro Asp Arg Xaa Xaa Leu Ala Tyr Gln Leu  
35 40

<210> 8414  
<211> 136  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (122)  
<223> Xaa equals any of the naturally occurring L-amino acids



## 7455

&lt;400&gt; 8414

Glu Leu Xaa Ala Glu Ala Glu Lys Met Arg Val Ser Gln Gln Glu Leu  
 1 5 10 15  
 Leu Ser Val Asp Glu Ser Val Tyr Thr Pro Asp Ser Asp Val Ala Ala  
 20 25 30  
 Pro Gln Ile Asn Arg Asn Leu Ile Gln Lys Ala Gly Tyr Leu Asn Leu  
 35 40 45  
 Arg Asn Trp Gln Met Arg Ala Met Cys Trp Arg Pro Thr Cys Lys Ala  
 50 55 60  
 Arg Gly Lys Gln Asn Arg Ala Gly His His His Leu Gly Glu Ala Leu  
 65 70 75 80  
 Phe Leu His Pro Arg Arg Glu Ser His Val Ser Ala Gln Gly Ser Arg  
 85 90 95  
 Gly Trp Arg Phe Asp Pro Gly Pro Gly Gln Leu Leu Ser Asp Gly Arg  
 100 105 110  
 Gly Leu Arg Arg Pro Ala Leu Leu Leu Xaa Asp His His Ala Gln Trp  
 115 120 125  
 Lys Ile Gly Asn Asn Pro Pro Gly  
 130 135

&lt;210&gt; 8415

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8415

Ile Val Leu Ile Phe Val Trp Cys Thr Phe Thr Tyr Lys Arg Glu Asp  
 1 5 10 15  
 Lys Met Phe Trp Gly Ile Ile Thr Arg Gly Leu Ala Arg Ser Lys Leu  
 20 25 30  
 Val Ser Pro Leu Leu Pro Ser Ser Asn Phe Gly Xaa  
 35 40

7456

&lt;210&gt; 8416

&lt;211&gt; 60

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8416

Gly	Asn	Cys	Gln	Gly	Arg	Glu	Arg	Ile	Phe	Arg	Xaa	Glu	Glu	Asp	Asp
1				5				10						15	

Ser	Leu	Trp	Ser	Ser	Thr	Arg	Leu	Ser	His	Leu	Asn	Phe	Leu	Phe	Thr
			20					25					30		

Leu	Xaa	Tyr	Xaa	Asn	Asp	Glu	Leu	Lys	Xaa	Gln	Ile	His	Lys	Xaa	Ser
		35					40					45			

Tyr	Asp	Ser	Gln	Leu	Pro	Xaa	Val	Ala	Phe	Asn	Ile
50						55					60

7457

&lt;210&gt; 8417

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8417

Glu	Tyr	Val	Lys	Lys	Tyr	Lys	Gly	Ser	Xaa	Ala	Phe	Xaa	Xaa	Leu	His
1				5					10					15	

Tyr Xaa

&lt;210&gt; 8418

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

7458

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8418

Leu	Gln	Ile	Cys	Val	Thr	Val	Ile	Ser	Val	Tyr	Val	Leu	Ser	Leu	Xaa
1				5					10					15	

Met	Cys	Arg	Phe	Val	Ile	Gly	Arg	Tyr	Ile	Ser	Tyr	Leu	Leu	Cys	Phe
			20				25						30		

Ile	His	Ala	Ala	Cys	Xaa	Thr	Xaa	Leu	Tyr	Met	Val	Xaa	Thr	Glu
		35					40						45	

&lt;210&gt; 8419

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8419

Gly	Xaa	Lys	Val	Phe	Asn	Asp	Glu	His	Ile	Phe	Pro	Leu	Ser	Leu	Lys
1				5					10					15	

Cys	Leu	Ala	Phe	Glu	Trp	Tyr	Leu	Ser	Leu	Arg	Xaa	Lys	Xaa	Xaa
			20					25					30	

7459

&lt;210&gt; 8420

&lt;211&gt; 105

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (97)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8420

Gly	Lys	Met	Gln	Lys	His	Ile	Tyr	Val	Leu	Ile	Ser	Leu	Trp	Ala	Leu
1				5					10					15	

Phe	Lys	Ala	Val	Leu	Arg	Gly	Arg	Gly	Tyr	Ser	Phe	Arg	Arg	Glu	Pro
			20					25					30		

Ala	Ser	Asp	Lys	His	Asn	Leu	Leu	Gly	Thr	Trp	Glu	Arg	Asn	Gln	Arg
		35					40					45			

Ala	Ala	Leu	Gln	Arg	Leu	Phe	Lys	Leu	Leu	Leu	Lys	Asn	Thr	Gln	Phe
	50					55					60				

Gly	Val	Leu	Gly	Phe	Phe	Ser	Phe	Ser	Leu	Arg	His	Ser	Thr	Ile	Leu
65					70					75					80

Ile	Phe	Val	Thr	Ala	Tyr	Leu	Cys	Glu	Lys	Gly	Tyr	Phe	Tyr	Leu	Ala
				85					90					95	

Xaa	Leu	Cys	Gln	Pro	Ile	Arg	Leu	Pro
			100				105	

&lt;210&gt; 8421

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7460

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8421

Ile	Thr	Cys	Ile	Leu	Leu	Leu	Val	Ile	Lys	Leu	Thr	Ala	Ile	Ile	Val
1				5					10					15	

Asn	Met	Cys	Leu	Xaa	Leu	Xaa	Val	Lys	Trp	Lys	Leu	Leu	Arg	Ser	Leu
			20					25					30		

Thr	Val	Xaa	Glu	Xaa	Lys	Cys	Thr	Gly	Thr	Asp	Gly	Asn	Ile
		35					40					45	

&lt;210&gt; 8422

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

## 7461

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8422

Xaa	Ser	Met	Phe	Asn	Xaa	Asn	Arg	Arg	Glu	Xaa	Arg	Ile	Trp	Leu	Val
1				5					10					15	

Xaa	Glu	His	Gln	Val	Val	Pro	Xaa	Ser	Asn	Cys	Met	Lys	Cys	Trp	Arg
			20						25				30		

Lys	Leu	Xaa	His	Cys	Xaa	Arg	Glu	Leu	Ala	Ser	Leu	Xaa	Ser	Ile	Ala
		35					40					45			

Pro	Gly
	50

<210> 8423

<211> 61

<212> PRT

<213> Homo sapiens

<400> 8423

Tyr	Ser	Val	Glu	His	Asn	Asp	Glu	Ser	Glu	His	Gln	Cys	Cys	Val	Pro
1				5					10					15	

Asp	Leu	Lys	Ala	Leu	Gly	Ala	Asn	Asn	Ser	Gly	Gly	Asp	Cys	Tyr	Gly
			20					25					30		

Phe	Cys	Ile	Lys	Val	Phe	Tyr	His	Val	Lys	Lys	Ile	Arg	Ile	Phe	Ser
		35					40					45			

Leu	Leu	Val	Val	Phe	Ile	Ile	Lys	Tyr	Val	Asp	Tyr	Leu
	50					55					60	

7462

&lt;210&gt; 8424

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8424

His Ala Phe His Met Ser Thr Phe Leu Pro Cys Ser Ser Cys Ser Pro  
 1 5 10 15

Asn Leu Glu Gly Arg Leu Pro Leu Ala Lys Ser Ser Ser Gly Leu Glu  
 20 25 30

Asn Phe Leu Ser Val Thr Ser Phe Ile Glu Pro Ser Leu Ile Thr Pro  
 35 40 45

Ser Leu Ser Tyr Pro Ser Leu Pro Gln Pro Ser Met Tyr Lys Leu Leu  
 50 55 60

Leu Asp Ala  
 65

&lt;210&gt; 8425

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8425

Asp Phe Ala Tyr Leu Pro Ser Gly Leu Ser Leu Glu Asn Gln Asp Phe  
 1 5 10 15

Ser Asp Leu Phe Leu Tyr Pro Gln Val Ser Leu Val Leu Met Ser Pro  
 20 25 30



## 7463

Ser Xaa Ser Ser Ser Ile Pro Leu Xaa Phe Phe Ser Pro Ser Pro Met  
           35                          40                          45

Gly Ser His Ser Thr Leu Cys Tyr Pro Ser Asp Thr Tyr Asn Ile Cys  
       50                          55                          60

Xaa Asn Arg  
       65

<210> 8426

<211> 70

<212> PRT

<213> Homo sapiens

<400> 8426

Thr Val Cys Asn Cys Ser Phe Tyr Phe Phe Gly Thr Tyr Leu Thr Tyr  
       1                          5                          10                          15

His Gly Val Asn Ile Met Asn Leu Leu His Ile Val Gln Lys Glu Pro  
           20                          25                          30

Gly Gly Phe Phe Cys Gln His Cys Asp Val Tyr Ser Phe Glu Asp Ser  
           35                          40                          45

Asn Cys Arg Trp Lys Asn Leu Cys Tyr Lys Ala Arg Cys Phe Pro Lys  
       50                          55                          60

Ser Asp Val Leu Val Lys  
       65                          70

<210> 8427

<211> 160

<212> PRT

<213> Homo sapiens

<400> 8427

Pro Ile Leu Phe Trp Arg Lys Met Glu Thr Ile Ile Leu Ser Val Asp  
       1                          5                          10                          15

Cys Gln Thr Ser Asn Ser Ile Asp Asn Val Leu Glu Lys Asp Pro Arg  
           20                          25                          30

Pro Lys Arg Asp Thr Asp Ile Thr Ser Glu Ser Asp Tyr Gly Asn Arg  
           35                          40                          45

Lys Glu Cys Asn Arg Lys Val Pro Arg Arg Ser Lys Ile Pro Tyr Asp  
       50                          55                          60

7464

Ala Lys Thr Ile Gln Thr Ile Lys His His Asn Lys Asn Tyr Asn Ser  
65 70 75 80

Phe Val Ser Cys Asn Arg Lys Met Lys Pro Pro Tyr Leu Lys Glu Leu  
85 90 95

Tyr Val Ser Ser Ser Leu Ala Asn Cys Pro Met Leu Gln Glu Ser Glu  
100 105 110

Lys Pro Lys Thr Glu Ile Ile Lys Val Asp Gln Ser His Ser Glu Asp  
115 120 125

Asn Thr Tyr Gln Ser Leu Val Glu Gln Leu Asp Gln Glu Arg Glu Lys  
130 135 140

Arg Trp Arg Ala Glu Gln Ala Glu Asn Lys Leu Met Asp Tyr Ile Asp  
145 150 155 160

<210> 8428

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8428

Tyr Val Asp Ile Pro Phe Arg Asn Ile Thr Ala Val Asn Tyr Met Arg  
1 5 10 15

Leu Ala Ser Gln Met Leu Phe Gly Leu Lys Lys Leu Leu Gln Ser Gln  
20 25 30

Val Asn Gly Ile Phe Leu Asn Pro Thr Phe Xaa Val  
35 40

<210> 8429

<211> 23

<212> PRT

<213> Homo sapiens

7465

<220>  
 <221> SITE  
 <222> (20)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (23)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8429  
 Cys Phe Tyr Lys Val Glu Gln Ile Glu Phe Arg His Ser Gly Lys Ala  
     1                    5                    10                    15  
 Thr Gly Gly Xaa Xaa Leu Xaa  
                     20

<210> 8430  
 <211> 47  
 <212> PRT  
 <213> Homo sapiens

<400> 8430  
 Ile Leu Asp Ala Thr Phe Asn Leu Ala Val Ile Pro Thr Ala Phe Leu  
     1                    5                    10                    15  
 Phe Gly Ile Leu Thr Ile Ala Leu His Ser Glu Phe Leu Leu Arg Gly  
                     20                    25                    30  
 His Tyr His Ser Arg Tyr Tyr Leu Ala Asn Asn Lys Tyr Arg Asp  
                     35                    40                    45

<210> 8431  
 <211> 53  
 <212> PRT  
 <213> Homo sapiens

<400> 8431  
 Lys Tyr Val Phe Phe Phe Val Glu Ser Phe Gly Leu Phe Lys Phe Arg  
     1                    5                    10                    15  
 Phe Cys Leu Arg Thr Val Lys Pro Arg Leu Thr Asp Ser Gly Asn Ser

7466

	20		25		30										
Cys	Leu	Leu	Val	Thr	His	Lys	Cys	Thr	Val	Ile	Cys	Ser	Leu	Phe	Leu
	35						40					45			
Asn	Ile	His	Leu	Leu											
	50														

&lt;210&gt; 8432

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

7467

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8432

Ala	Leu	Lys	Lys	Met	Xaa	Xaa	Lys	Asp	Phe	Gly	Thr	Lys	Val	Gly	Xaa
1				5					10					15	

Asn	Leu	Xaa	Glu	Lys	Thr	Leu	Glu	Lys	Lys	Glu	Gly	Xaa	Asn	Phe	Asn
			20					25					30		

Asn	Xaa	Xaa	Arg	Thr	Glu	Ser	Leu	Xaa	Leu	Ala	Gly	Gly
			35				40					45

&lt;210&gt; 8433

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7468

&lt;400&gt; 8433

Thr Lys Asn Ile Tyr Tyr Tyr Leu Ser Ser Gln Xaa Met Pro Asn Phe  
1 5 10 15

Phe Xaa Ile Xaa Ser Asp Xaa Gln Leu Lys Cys His Val Ala Leu Gln  
20 25 30

Val His Cys Tyr Asn Asp Ser Ile Ser Arg Xaa Ala Cys Ser Xaa Ile  
35 40 45

Val Cys Val Ala Leu Ile  
50

&lt;210&gt; 8434

&lt;211&gt; 57

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8434

Leu Lys Phe Leu His Val Arg Ile Leu Gln Ser Lys Asp Tyr Leu Tyr  
1 5 10 15

Leu Tyr Ile Phe Phe Ser Lys His Cys Phe Ser Phe Ile Ser Gln Ile  
20 25 30

Leu Thr Phe Cys Val Leu Ile Leu Ile Lys Phe Lys Leu Leu Ser Asn  
35 40 45

Ser Ser Phe Asp Phe Leu Ile Asp Thr  
50 55

&lt;210&gt; 8435

&lt;211&gt; 57

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8435

Ala Leu Arg Gly Leu Val Ala Thr Leu Ala Ala Leu Gly Arg Gly Gln  
1 5 10 15

Cys Pro Met Trp Thr Lys Glu Ala Arg Pro Gly Gln Thr Pro His Ser  
20 25 30

Pro Glu Leu Thr Ala Cys Pro Lys Ser Lys His Leu Gly Gln Val Arg  
35 40 45

Leu Leu Asp Gln Asp Cys His Cys Gly

7469

50

55

&lt;210&gt; 8436

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8436

Met	Ala	Asn	Xaa	Thr	Arg	Pro	Glu	Asp	Gly	Ala	Leu	Lys	His	Gly	Arg
1				5					10					15	

Asn	Xaa	Gly	Trp	Leu	Gln	His	Arg	Val	Thr	Arg	Tyr	Xaa	Thr	Pro	Tyr
			20					25					30		

Xaa	Leu	Thr
		35

&lt;210&gt; 8437

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7470

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (24)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8437  
Glu Lys Asp Gln Arg Ile Leu Asn Ser Arg Ser Asp Arg Lys Arg Ser  
1 5 10 15  
Ile Ser Xaa Glu Xaa Xaa Ile Xaa Gln Lys Ile Xaa  
20 25

<210> 8438  
<211> 76  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE



## 7471

<222> (46)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (54)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (67)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (73)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (75)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 8438  
 Ile Val Ala Arg Leu Gly Gly Ser Phe Ser Pro Lys Ala Glu Glu Ile  
   1                  5                  10                  15  
  
 Val Gly Phe Gln Gly Pro Ala Gly Ile Ser Xaa Arg Xaa Cys Gly Glu  
                   20                  25                  30  
  
 Ser Ser Ser Leu Pro Gln Pro Xaa Glu Gly Tyr Asp Arg Xaa Ser Val  
           35                  40                  45  
  
 Asp Ile Thr Ser Leu Xaa Gln Arg Lys Leu Thr Phe Asp Thr His Ala  
       50                  55                  60  
  
 Leu Val Xaa Asp Leu Glu Thr His Xaa Ile Xaa Gln  
   65                  70                  75  
  
  
 <210> 8439  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

7472

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8439

Leu	Arg	Xaa	Xaa	Leu	Ile	Arg	Leu	Thr	Ile	Gly	Lys	Xaa	Xaa	Thr	Pro
1				5					10					15	

Ala	Val	Thr	Gly	Thr	Lys	Phe	Pro	Gly	Arg	Pro	Thr	Arg	Pro	Leu	Asn
			20					25					30		

Lys	Tyr	Ser	His	Cys	Gln	Ser	Pro	Xaa
		35				40		

&lt;210&gt; 8440

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7473

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8440

Ala	Xaa	Xaa	Tyr	Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Gly
1				5					10					15	

Pro	Gln	Lys	Arg	Asp	Xaa	Xaa	Gly	Asn	Val	Ile	Val	Xaa	Lys	Ala	Ser
			20				25						30		

Ala	Ile	Arg	Arg	Thr	Leu	Leu	Cys	Arg	Arg	Xaa	Gly	Ser	Lys	Ala
			35				40					45		

&lt;210&gt; 8441

&lt;211&gt; 76

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (70)

7474

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8441

Glu Phe His Xaa Trp Ser Tyr Tyr Gly Ser Leu Gln Ala Trp His Ser  
1 5 10 15

Pro Val Met Gln Ser Ala Leu Val Pro Gly Cys Gln Pro His Ser Ile  
20 25 30

Pro Tyr Leu Gly Val Asn Gly Ala Xaa Phe Leu Leu Xaa Val Cys Ser  
35 40 45

Pro Asp Ser Ser Leu Pro Pro Arg Ile Cys Phe Arg Glu Ser Gln Thr  
50 55 60

Thr Glu His Cys Pro Xaa Ala Leu Ser Ile Thr Leu  
65 70 75

&lt;210&gt; 8442

&lt;211&gt; 44

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

7475

<221> SITE  
 <222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (44)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 8442  
 Met Thr Met Ile Thr Ala Xaa Xaa Asn Thr Xaa His Tyr Arg Glu Xaa  
 1 5 10 15  
 Trp Tyr Ser Val Xaa Val Pro Val Arg Asn Cys Arg Glu Arg Pro Thr  
 20 25 30  
 Arg Thr Ile Xaa Met Leu Leu Gly Met Leu Met Xaa  
 35 40

<210> 8443  
 <211> 43  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (20)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (23)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8443  
 Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg  
 1 5 10 15  
 Ser Glu Glu Xaa Cys Ala Xaa Thr Ser Thr His Ala Lys Arg Lys Gly

7476

20

25

30

Asp Xaa Ser Arg Cys Pro Xaa Gln Tyr Lys His  
 35 40

&lt;210&gt; 8444

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (31)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8444

Xaa Asn Thr Thr Xaa Tyr Arg Glu Xaa Trp Tyr Ala Cys Arg Tyr Arg  
 1 5 10 15

7477

Ser Gly Ile Ser Arg Val Xaa Pro Arg Val Arg Gly Ile Phe Xaa Cys  
                   20                  25                  30

Tyr Phe Trp Xaa Tyr Phe Xaa  
                   35

&lt;210&gt; 8445

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8445

His Asn Asn Phe Thr Gln Glu Asn Xaa Tyr Asp His Asp Tyr Trp Gln  
   1                  5                  10                  15

Xaa Xaa Ile Arg Xaa Thr Ile Gly Lys Gly Gly Xaa Pro Ala Gly Thr  
                   20                  25                  30

Gly Pro Glu Phe Arg Gly Thr Thr His Ala Ser Ala Leu Asn Xaa Ser

7478

35

40

45

Arg Arg Leu Lys  
50

&lt;210&gt; 8446

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



7479

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8446

Tyr	Asp	His	Asp	Tyr	Trp	Gln	Xaa	Xaa	Ile	Arg	Xaa	Thr	Ile	Gly	Lys
1				5					10					15	

Gly	Glu	Thr	Pro	Xaa	Gly	Xaa	Gly	Pro	Glu	Phe	Pro	Asp	Thr	Thr	Pro
			20					25					30		

Arg	Val	Arg	Glu	Ser	Val	Leu	Ala	Gln	Arg	Xaa	Xaa	Ala	Xaa	Gln	Xaa
			35				40					45			

Gln Asp

50

&lt;210&gt; 8447

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7480

&lt;400&gt; 8447

Thr Gly Met Thr Met Xaa Thr Ala Xaa Xaa Asn Thr Thr Xaa Tyr Arg  
1 5 10 15

Glu Xaa Trp Asp Ala Cys Arg Asn Arg Ser Gly Ile Pro Gly Ser Thr  
20 25 30

His Ala Thr Glu Ser Val Cys Ser Ile  
35 40

&lt;210&gt; 8448

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8448

Lys Pro Lys Glu Ser Arg Ser Val Lys Val Arg Ser Gly Ile Pro Gly  
1 5 10 15

Ser Xaa His Ala Ser Gly Val Ser Xaa Phe Lys Lys Met Xaa Phe Phe  
20 25 30

Leu Lys

&lt;210&gt; 8449

&lt;211&gt; 64

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

7481

<222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (8)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (49)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (59)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (60)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 8449  
 Thr Thr Leu His Arg Xaa Xaa Xaa Met Thr Met Ile Thr Xaa Ser Ser  
 1 5 10 15  
 Asn Thr Thr His Tyr Arg Glu Xaa Trp Tyr Ala Cys Arg Tyr Arg Ala  
 20 25 30  
 Gly Ile Pro Gly Ser Thr His Ala Xaa Val Leu Phe Leu Leu Thr Asn

7482

35	40	45
Xaa Asn Ile Ser Lys Thr Lys Arg Val Phe Xaa Xaa Leu Lys His Lys		
50	55	60

&lt;210&gt; 8450

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8450

## 7483

Ala Leu Ile Arg Leu Xaa Ile Val Asp Cys Trp Xaa Ala Cys Xaa Tyr  
 1                      5                      10                      15

Arg Ala Gly Ile Pro Gly Ser Thr His Ala Xaa Glu Leu Leu Ala Ala  
                     20                      25                      30

Ile Tyr Xaa Lys Asn Ala Tyr Met His Ser Val Arg Lys Thr Leu Tyr  
                     35                      40                      45

Xaa Xaa  
           50

&lt;210&gt; 8451

&lt;211&gt; 61

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8451

Thr Pro Xaa Gly Thr Gly Pro Glu Phe Pro Phe Xaa Pro Arg Val Arg  
 1                      5                      10                      15

Pro Arg Xaa Arg Ile Phe Ile Ala Tyr His Leu Ile Leu Cys Ala Arg  
                     20                      25                      30

7484

Glu Gly Met Ala Arg Ile Asn Met Pro Gln Tyr Pro His His Xaa Phe  
                   35                                  40                                  45

Tyr Ser His Ser Cys Pro Xaa Phe Leu Trp His Ile Phe  
           50                                  55                                  60

&lt;210&gt; 8452

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (40)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8452

Ile Thr Xaa Ser Ser Xaa Thr Thr Gln Tyr Ser Asp Cys Trp Xaa Ala  
       1                                  5                                  10                                  15

7485

Cys Xaa Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Arg  
                   20                  25                  30

Pro Arg Leu Ser Xaa Leu Trp Xaa Xaa Trp Leu  
                   35                  40

&lt;210&gt; 8453

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (44)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8453

Leu Arg Gln Ala Leu Ile Arg Leu Thr Ile Gly Ile Ala Xaa Thr Pro  
   1                  5                  10                  15

Ala Gly Thr Gly Pro Glu Phe Pro Asn Arg Pro Thr Arg Pro Leu Thr  
                   20                  25                  30

7486

Gly Xaa Ile Leu Lys Ile Pro Ser Thr Leu Ser Xaa Lys Asp Phe Xaa  
35 40 45

Asn Xaa Leu Lys Cys Xaa  
50

<210> 8454

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)



7487

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (72)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8454

Gly	His	Val	Pro	Arg	Pro	Glu	Phe	Pro	Gly	Arg	Pro	Thr	Arg	Xaa	Arg
1				5					10					15	

Thr	Arg	Gly	Ala	Leu	Phe	Arg	Tyr	Pro	Xaa	Tyr	Leu	Ser	Gly	Tyr	Xaa
			20					25					30		

Thr	Thr	Leu	Xaa	Leu	Gly	Pro	Leu	Xaa	Glu	Ser	Pro	Cys	Val	His	Ala
		35					40					45			

Thr	Pro	Pro	Leu	Ser	Leu	Pro	Gln	Asn	Leu	Thr	Xaa	Glu	Gly	Thr	Gly
	50					55					60				

Asn	Xaa	Gly	Ala	Xaa	Val	Ser	Xaa	Ile	Arg	Glu	Leu	Phe	Asn	Phe	Ser
65					70					75					80

Ser Cys Gln Gly

&lt;210&gt; 8455

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

7488

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8455

Ser	Phe	Thr	Lys	Gly	Gly	Phe	Gln	Xaa	Ala	Glu	Ile	Leu	Xaa	Phe	Phe
1				5				10					15		

Leu	Cys	Ser	Gln	Met	Lys	Pro	Gly	Ala	Arg	Thr	Val	Xaa	Xaa	Trp	Tyr
			20				25					30			

Ile	Ala	Xaa	Leu	Ala	Leu
			35		

<210> 8456

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

7489

<222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (49)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (50)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (55)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (59)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (67)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 8456  
 Thr Lys Glu Leu Asp Ser Xaa Pro Gly Pro Gly Arg Leu Gly Thr Thr  
   1                  5                  10                  15  
 Leu Ser Gly Met Gln Leu Xaa Leu Xaa His Arg Thr Ser Tyr Xaa Pro  
                   20                  25                  30  
 Ser Xaa Glu Xaa Arg Gly Arg Asn Pro Gly Trp Pro His Trp Gln Pro  
                   35                  40                  45  
 Xaa Xaa Phe Ser Ser Pro Xaa Pro Gln Lys Xaa Pro Phe Arg His Phe  
   50                  55                  60  
 Leu Gly Xaa Lys Ser  
   65  
  
 <210> 8457  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

7490

<220>  
 <221> SITE  
 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (27)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (38)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8457  
 Xaa Xaa Asp Trp Val Ser Leu Val Glu Leu Cys Pro Lys Thr Cys Met  
     1                    5                    10                    15  
 Gly Tyr Asn Leu Xaa Ser Leu Pro Gln Leu Xaa Tyr Lys Ala Cys Gly  
                     20                    25                    30  
 His Thr Gln Phe Gln Xaa Ala Tyr Gln  
                     35                    40

<210> 8458  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (88)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8458  
 Leu Leu Arg Thr Glu Ala Leu Glu Cys Leu Thr Val Gln Pro Gly Ser  
     1                    5                    10                    15

## 7491

His Arg Asn Ile Pro Ile Gln Arg Gln Lys Ser Val Val Cys Thr Met  
                   20                  25                  30

Leu Ser Gly Gln Ile Arg Gly Ser Phe Leu Leu Thr Pro Cys His Cys  
           35                  40                  45

Glu Leu Pro Lys Gln Asp Pro Leu Ser Gly Lys Pro Leu Asn Gly Leu  
       50                  55                  60

Gln Ser Ser Lys Trp Ser Gln Ala Gln Glu Glu Leu Pro Arg Val Ile  
       65                  70                  75                  80

Gln Asn Ala Leu Trp Glu Ala Xaa Val Glu Asn Gln His Thr Gln Arg  
                   85                  90                  95

Leu

<210> 8459

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

7492

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8459

Gly Thr Arg Ala Gly Ile Xaa Gly Ser Xaa His Ala Phe Gly Val Xaa  
1 5 10 15

Ser Ala Gly Arg Arg Xaa Ile Arg Lys Pro Ile Asp Arg Ile Ile Ala  
20 25 30

Arg His Asp Leu Xaa Gln Xaa Pro Leu Ser Ile Leu Leu Lys  
35 40 45

&lt;210&gt; 8460

&lt;211&gt; 63

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8460

Asp Leu Lys Met Ile Ser Leu Ser Pro Leu Leu Arg Ser Phe Gln Gly  
1 5 10 15

Thr Thr Ile Arg Ala Leu His Pro Asn Thr Leu Ala Ser Phe Trp Ser  
20 25 30

Phe Cys Pro Gly Thr Glu Val Gln Leu Gly Asp Pro Ser His Thr Gly  
35 40 45

Glu Gly Val Ala Val Glu Pro Gln Thr Pro Trp Ser Pro Gln Glu  
50 55 60

&lt;210&gt; 8461

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7493

<220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (17)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8461  
 Val Arg Ser Arg Ile Phe Ser Ile Gly Xaa Lys Val Xaa Val Xaa Arg  
           1                  5                  10                  15

Xaa Met

<210> 8462  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (9)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8462  
 Gln Leu Lys Ser Met Gly Asn Pro Xaa Ile Glu Ile Val Phe Ala Xaa  
           1                  5                  10                  15

Lys Val Pro Phe Xaa  
                   20

<210> 8463  
 <211> 33  
 <212> PRT

7494

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8463

Lys	Cys	Xaa	His	Phe	Leu	Lys	Ser	Xaa	Thr	Lys	Ala	Leu	Tyr	Phe	Leu
1					5				10					15	

Phe	Lys	Lys	Ser	Leu	Pro	His	Leu	Val	Lys	Ile	Phe	Ser	Tyr	Leu	Xaa
			20					25					30		

Ser

&lt;210&gt; 8464

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE



7495

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8464

Glu	Phe	Ile	Val	Val	Tyr	Leu	Phe	Lys	Tyr	Leu	Thr	Phe	Lys	Phe	Leu
1				5					10					15	

Thr	Ile	Tyr	Phe	Ile	Leu	Xaa	Ser	Xaa	Val	Ala	Trp	Ile	Xaa	His	Ile
			20					25					30		

His	Thr	Xaa	Lys
			35

&lt;210&gt; 8465

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7496

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (46)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8465

Arg Pro Xaa Ala Ala Ala Trp Thr Gly His Xaa Met Xaa Pro Leu Thr  
1 5 10 15

Ala Ala Arg Ser Ala Met Gln Asp Tyr Xaa Val Ser Pro Ile Gly Asp  
20 25 30

Pro Trp Arg Thr Met Leu Arg Phe Xaa Leu Xaa Gly Xaa Xaa  
35 40 45

&lt;210&gt; 8466

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8466

Thr Ser Ser Arg Ser Arg Ala Ala Ala Leu Phe Phe Pro Phe Tyr Ile  
1 5 10 15

Phe Leu Xaa Val Tyr Asp  
20

&lt;210&gt; 8467

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8467

## 7497

Pro Phe Gln Pro Ala His Ala Val Glu Asp Lys Phe Thr Asp Leu Ala  
 1 5 10 15

Thr Asp Glu Phe Gln Thr Glu Gly Ile Arg Lys Thr Val Ser Ile Val  
 20 25 30

Ser Leu Glu Leu His Ser Xaa Phe Lys Ala Ser Ala Ile Arg Lys Asp  
 35 40 45

Asp Phe Tyr Leu Leu Gly  
 50

<210> 8468

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8468

Pro Xaa Val Arg Pro Arg Val Arg Phe Arg Arg Asn Thr Ser Lys Gly  
 1 5 10 15

Asp Xaa Thr Met Ile Phe Thr Xaa  
 20

<210> 8469

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

## 7498

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8469

Gln Pro Ile His Thr Arg Ala Xaa Leu Xaa Xaa Tyr Thr Xaa Ala His  
1 5 10 15

Tyr Ser Leu Gln Leu His Met Leu Tyr Leu Asp His Ser Glu Ala Asn  
20 25 30

Ser Xaa His Tyr Ile Ile Val Ser Ile Asn Ile Ser Asn Xaa Leu Lys  
35 40 45

Tyr Thr Ile Xaa Ile Gln Ala Ser Pro Ile Val Pro Gln Met Phe Gly  
50 55 60

<210> 8470

7499

<211> 52  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (48)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8470  
Arg Tyr Cys Ile Ile Leu Arg Lys Cys Gly Tyr Leu Asp Val Tyr His  
1 5 10 15  
Thr Val Ser Leu Cys Leu His Thr Asn Leu Cys Lys Lys Cys Ile Leu  
20 25 30  
Val Cys Val Pro Gln Pro Ala Val Cys Phe Leu Xaa Val Leu Val Xaa  
35 40 45  
Phe Lys Tyr Lys  
50

<210> 8471  
<211> 66  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE

## 7500

&lt;222&gt; (54)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (60)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (63)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8471

Val	Gly	Arg	Arg	Phe	Leu	Ile	Leu	Thr	Arg	Thr	Ser	Ser	Tyr	Val	Val
1				5				10						15	

Pro	Ser	Trp	Xaa	Ser	Pro	Gly	Gly	Pro	Gln	Lys	Ser	Leu	Ile	Ala	Gly
			20					25					30		

Xaa	Val	Cys	Ser	Ser	Val	Ser	Val	His	Ser	Phe	Gly	Val	Ala	Arg	Arg
		35					40					45			

Cys	His	Xaa	Leu	Cys	Xaa	Met	Met	Ala	Gly	Ala	Xaa	Ala	Thr	Xaa	Pro
	50					55					60				

Pro Gln

65

&lt;210&gt; 8472

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7501

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8472

Xaa	Thr	Xaa	Ala	Gly	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Arg	Pro	Met	Arg
1				5					10					15	

Pro	Val	Ile	Ser	Val	Ile	Lys	Lys	Ile	Thr	Glu	Pro	Leu	Lys	Gly	Ile
			20					25					30		

His	Xaa	Xaa	Trp
			35

&lt;210&gt; 8473

&lt;211&gt; 77

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8473

His	Val	Glu	Arg	Ser	Cys	Pro	Pro	Gly	Arg	Gln	Glu	Ala	Met	Pro	Thr
1				5					10					15	

Ala	Pro	Gly	Gln	Ala	Ser	Ser	Gln	Lys	Ala	Leu	Ser	Ala	Gly	Leu	Ala
			20					25					30		

Ala	Ile	Pro	Val	Leu	Gly	Gly	Pro	Arg	Ala	Arg	Leu	Pro	Glu	Val	Arg
			35					40					45		

Trp	Pro	Glu	Ser	Trp	Asp	Ser	Val	Leu	Gly	Leu	Leu	Ala	Ala	Glu	Gln
			50				55				60				

Ala	Ala	His	Leu	Thr	Ser	Val	Val	Ala	Ser	Phe	Ser	Arg
			65				70			75		

&lt;210&gt; 8474

&lt;211&gt; 69

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7502

<221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (17)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (27)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (28)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (44)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (47)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (55)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (67)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8474  
 Gln Thr Pro Ala Val Val Ser Val Xaa Pro Xaa Ser Gly Leu Trp Pro  
           1                  5                  10                  15  
 Xaa Leu Leu Val Leu Val Thr Pro Ser Leu Xaa Xaa Pro Pro Pro Trp  
                   20                  25                  30  
 Tyr Val Tyr Ser Leu Gln Val Leu His Lys Ser Xaa Cys Leu Xaa Cys  
           35                  40                  45  
 Gly Glu Gly Arg Leu Leu Xaa Leu Gly Ser Val Asp Arg Lys Glu His  
           50                  55                  60



7503

Thr Cys Xaa Cys Ile  
65

&lt;210&gt; 8475

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8475

Arg Glu Gly Gly Lys Val Trp Gly Gly Gly Cys Glu Asn Leu Gly Leu  
1 5 10 15

Ile Leu Xaa

&lt;210&gt; 8476

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8476

Trp Xaa Leu Pro Xaa Met Arg Gly Ile Arg Trp Leu Glu Asp Glu Val  
1 5 10 15

Asp Gly Arg Leu Tyr Ile Ile Phe Thr Pro Leu Cys Pro Phe Asn Phe  
20 25 30

Lys Leu Arg Asp Val Thr Cys Ser Lys Ser Arg Asp Lys Ile  
35 40 45

7504

&lt;210&gt; 8477

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8477

Ala Xaa Asn Lys Arg Leu Lys Tyr Cys Asn Lys Thr

1

5

10

&lt;210&gt; 8478

&lt;211&gt; 52

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (21)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8478

Thr Xaa His Phe Pro Arg Leu Arg Glu His Xaa Asp Leu His Arg Val

1

5

10

15

## 7505

Leu Cys Leu His Xaa Met Pro Ser Gly Thr Ile Trp Phe Ile Leu Val  
                   20                  25                  30  
 Gly Arg Ile Phe Ala Xaa Glu Lys Lys Ile Tyr Met Tyr Leu Ile Leu  
                   35                  40                  45  
 Ile Xaa Leu His  
                   50

<210> 8479  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8479  
 Val Xaa Arg Val Xaa Val Pro Ala Arg Ala Gly Val Val Xaa Ala Glu  
      1                  5                  10                  15

<210> 8480  
 <211> 74  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (29)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

7506

<221> SITE  
 <222> (30)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (58)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (63)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (69)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (71)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (74)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8480  
 Cys Gly Ser Trp His Asn Arg His Tyr Leu Ala Lys Asp Pro Ser Phe  
   1                  5                  10                  15  
 Leu Phe Leu Tyr Phe Ala Gln Arg Pro Gly Arg Leu Xaa Xaa Lys Ala  
                   20                  25                  30  
 Lys Ser Pro Gly Phe Pro Cys His Leu Ala Phe Lys Cys Ala Gln Pro  
           35                  40                  45  
 Met Thr Gly Trp Lys Glu Ile Asp Ser Xaa Gly Lys Arg Gly Xaa Ile  
   50                  55                  60  
 Cys Val Gln Glu Xaa Phe Xaa Phe Pro Xaa  
   65                  70

<210> 8481  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

7507

<220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (9)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (25)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (28)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8481  
 Asn Xaa Ala Asp Met Glu Val Leu Xaa Trp Thr His Arg Glu Gly Ala  
     1                    5                    10                    15  
 Val Trp Lys Leu Phe Gly Ser Xaa Xaa Met Met Xaa Val Ala  
                     20                    25                    30

<210> 8482  
 <211> 42  
 <212> PRT  
 <213> Homo sapiens

<400> 8482  
 Ser Arg Ile Ala Leu Ser Lys Trp Leu Pro Ser Ala Glu Asp Arg Phe  
     1                    5                    10                    15  
 Phe Ser Pro Ile Cys Leu Tyr Val Glu Lys Trp Tyr Arg Ile Gly Thr  
                     20                    25                    30  
 Val Phe Glu Asp Leu Met Tyr Ile Tyr Lys  
                     35                    40

7508

<210> 8483  
<211> 70  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (19)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (49)  
<223> Xaa equals any of the naturally occurring L-amino acids

## 7509

<220>  
 <221> SITE  
 <222> (52)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (66)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (67)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (68)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (69)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8483  
 Gly Xaa Leu Val Arg Xaa Gln Val Pro Val Arg Asn Ser Arg Val Asp  
     1                    5                    10                    15  
 Pro Arg Xaa Arg Thr Asn Xaa Gly Thr Val Lys Asp Ser Gln Xaa Xaa  
                     20                    25                    30  
 Xaa Ser Arg Gln Glu Asn Phe Val Xaa Leu Leu Cys Val Asp Arg Leu  
                     35                    40                    45  
 Xaa Ser Val Xaa Pro Met Glu Met Pro Thr Gly Leu Asp Ala Trp Arg  
                     50                    55                    60  
 Leu Xaa Xaa Xaa Xaa Arg  
     65                    70

<210> 8484  
 <211> 67  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (36)

## 7510

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8484

Trp	Ile	Leu	Phe	Leu	Ser	Trp	Ser	His	Phe	Val	Thr	Cys	Phe	Cys	Pro
1				5					10					15	

Arg	Glu	Pro	Gln	Gly	Ser	Glu	Ser	Cys	Ala	Pro	Gly	Gln	Gly	Leu	His
			20					25					30		

Leu	Pro	Ser	Xaa	Val	Pro	Pro	Trp	Ala	Pro	Gly	Ala	Ser	Gly	Ala	Val
		35					40					45			

Pro	Gly	Xaa	Ser	Xaa	Thr	Xaa	Xaa	Val	Thr	Ala	Glu	Pro	Leu	Pro	His
		50				55					60				

Pro	Ser	Leu
		65

<210> 8485

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>



## 7511

<221> SITE  
 <222> (28)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (32)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (39)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (40)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 8485  
 Ile Leu Met Glu Thr Pro Asp Tyr Arg Val Xaa Trp Asn Ala Pro Gln  
   1                  5                  10                  15  
  
 Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Xaa Arg Thr Val Xaa  
                   20                  25                  30  
  
 Gly Thr Thr Leu Arg Trp Xaa Xaa Met Lys Thr Arg Arg Thr  
           35                  40                  45  
  
  
 <210> 8486  
 <211> 84  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (2)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

7512

<220>  
 <221> SITE  
 <222> (29)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (48)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (65)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (70)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (75)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (79)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8486  
 Met Xaa Leu Xaa Xaa Gly Gly Cys Gly Gly Pro Leu Arg Glu Gln Lys  
   1                  5                  10                  15  
 Pro Cys Met Ser Asp Arg Val Cys Gln Pro Tyr Pro Xaa Met Glu Leu  
           20                  25                  30  
 Leu Pro Ala Thr Ser His Arg Gly Ile Ile Val Ala Gly Leu Leu Xaa  
       35                  40                  45  
 Cys Ile Thr Glu Leu Trp Arg Cys Val Cys Gly Gly Glu Asp Ser Ile  
       50                  55                  60  
 Xaa Arg Gly Val His Xaa Ala Glu Ala Val Xaa Cys Gln Gly Xaa Met  
       65                  70                  75                  80  
 Ala Leu Thr Ala

## 7513

&lt;210&gt; 8487

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8487

Met	Tyr	Lys	Xaa	Ser	Tyr	Ile	Leu	Xaa	Xaa	Arg	Gln	Asn	Ile	Met	Val
1				5				10						15	

Glu	Pro	Asn	Leu	Ile	Cys	Ser	Leu	Ser	Asn	Ile	Glu	Xaa	Phe	Lys	Arg
			20					25					30		

Tyr	Xaa	Ile	Met	Met	Asn
			35		

&lt;210&gt; 8488

&lt;211&gt; 71

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (5)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7514

<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (32)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (55)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (56)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (61)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (70)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (71)  
<223> Xaa equals any of the naturally occurring L-amino acids

## 7515

&lt;400&gt; 8488

Leu Ile His Tyr Xaa Lys Lys Arg Met Gly Glu Lys Xaa Lys Xaa Ala  
 1 5 10 15

Leu Arg Pro Pro Thr Thr Ala Met His Ala Ser Ser Ile Xaa His Xaa  
 20 25 30

Ser Ser Leu Xaa Arg Tyr Asn Ala Cys Trp Lys Pro Cys Val Pro Thr  
 35 40 45

Asn Arg Leu Thr His Pro Xaa Xaa Val Gly Asn Glu Xaa Ala Ala Val  
 50 55 60

Ala Phe His Ser Gly Xaa Xaa  
 65 70

&lt;210&gt; 8489

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8489

Val Val Arg Asn Leu Xaa Ala Trp Thr Xaa Ser Asn Arg Cys Ser Tyr  
 1 5 10 15

Ser Ser Trp Cys Ala Cys Xaa Leu Pro Ile Leu Xaa Pro Thr Phe Leu  
 20 25 30

Leu Leu

7516

<210> 8490  
 <211> 53  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (26)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (51)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8490  
 Xaa Tyr Xaa Ser Leu Val Glu Leu Ile Met Ile Cys Pro Arg Xaa Gly  
           1                  5                  10                  15

Phe Leu Glu Leu Xaa Ser Ser Pro Asn Xaa Pro Asp Pro Lys Val Arg  
                   20                  25                  30

7517

Leu Ser Ala Xaa Arg Pro Asp Arg His Thr Gly Arg Gln Gln Ser Thr  
           35                          40                          45

Lys Thr Xaa Asp Ile  
           50

&lt;210&gt; 8491

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (34)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8491

Ser Phe Phe Ser Ile Ala Xaa Ser Pro Ser Xaa Glu Gln Val Glu Xaa  
       1                          5                          10                          15

Ala Asn Ala Ser His Ala Arg Met His Glu Ala Val Thr Thr Thr His  
                           20                          25                          30

Ala Xaa Ser Leu Ser Cys Pro Gly Lys  
           35                          40

&lt;210&gt; 8492

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

7518

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8492

Phe	Val	Val	Asp	Leu	Tyr	Leu	Xaa	Leu	Xaa	Asn	Val	Thr	Lys	Ile	Ser
1				5				10						15	

Tyr	Arg	Tyr	Met	Lys	Leu	Xaa	Xaa	Ser	Lys	Ser	Thr	Ile	Thr	Leu	Asn
			20					25						30	

&lt;210&gt; 8493

&lt;211&gt; 62

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



## 7519

<220>  
 <221> SITE  
 <222> (31)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (38)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (41)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (44)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (51)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (52)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (59)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8493  
 Thr Val Ser Ser Ile Asn Gln Gln Xaa Cys Thr Leu Gly Ile Thr Pro  
 1 5 10 15  
 Asn Asp Xaa Lys Ala Lys Xaa Leu Lys Gly Cys Leu Leu Ile Xaa Arg  
 20 25 30  
 Thr Ser Pro Xaa Lys Xaa Leu Phe Xaa Asp Cys Xaa Thr Asp Lys Leu  
 35 40 45  
 Trp Ser Xaa Xaa Arg Asn Val Lys Gln Thr Xaa Val Asn Ile

7520

50

55

60

&lt;210&gt; 8494

&lt;211&gt; 42

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (42)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8494

Xaa Pro Glu Glu Arg His Val Arg Xaa Trp Phe Gly Gly Ile Arg Glu

1

5

10

15

Ala Ala Gln Val Val Gly Xaa Arg Cys Arg Xaa Arg Leu Phe Gly Thr

20

25

30

Glu Arg Ala Arg Xaa Arg Leu Gly Gly Xaa

35

40

## 7521

<210> 8495  
 <211> 70  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (4)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (8)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (18)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (46)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (60)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8495  
 Xaa Ser Ser Xaa Arg Arg Cys Xaa Pro Val Ala Asp Leu Thr Thr Cys  
   1                  5                  10                  15  
 Gly Xaa Glu Ser Pro Gly Gly Arg Leu Thr Thr Gln Pro Glu Thr Ala  
                   20                  25                  30  
 Leu Gly Ser Gln Leu Ile Arg Ser Trp Gly Ser Val Ser Xaa Cys Glu  
           35                  40                  45  
 Pro Leu His Ala Asp Thr Leu Gln Ala Arg Ala Xaa Arg Pro Leu Leu  
       50                  55                  60  
 Leu Gln Leu His Leu Arg  
   65                  70

7522

&lt;210&gt; 8496

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (32)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (38)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8496

Ile	Cys	Trp	Phe	Val	Leu	Xaa	Xaa	Leu	Phe	Pro	Thr	Pro	Leu	Asn	Lys
1				5				10					15		

Val	His	Glu	Lys	Tyr	Arg	Pro	Thr	Xaa	His	Cys	Leu	Leu	Cys	Ser	Xaa
			20					25					30		

Lys	Thr	Arg	Gly	Xaa	Xaa	Ser	Phe	Gly	Leu	Leu	Thr	Val
			35				40				45	

&lt;210&gt; 8497

&lt;211&gt; 70

## 7523

<212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (8)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (11)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (35)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (52)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (70)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8497  
 Arg Leu Ser Pro Gly Ala Phe Xaa Tyr Val Xaa Tyr Cys Xaa Glu Xaa  
   1                  5                  10                  15  
 Tyr Thr Asp Pro Leu Leu Arg Arg Ser Gly Pro Leu Arg Glu Pro Ser  
                   20                  25                  30  
 Pro Thr Xaa Pro Asn Pro Lys Gly Gln Leu Ser Gly Pro Ser Arg Arg  
           35                  40                  45  
 Thr Pro Gly Xaa Lys Glu Ala Ala Leu Thr Thr Ser Pro Gln Glu Met  
   50                  55                  60

7524

Ala Gln Ser Val Lys Xaa  
65 70

&lt;210&gt; 8498

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (49)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (51)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8498

Lys Gly Asn Leu Lys Leu Lys Ser Gln Glu Gly Glu Xaa Ile Asp Arg  
1 5 10 15

Xaa Leu Pro Cys Arg Glu Xaa Gln Asp Pro Asp Leu His Asp Ser Glu  
20 25 30

Arg His Asp Lys Arg Arg Leu Thr Val Asn Gln Gly Xaa Lys Lys Arg  
35 40 45

Xaa Glu Xaa Leu Ala Leu Ser Asn Gln Trp Trp Tyr Lys Asn Gly Gly

7525

50

55

60

Pro Gly Trp

65

&lt;210&gt; 8499

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (36)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8499

Leu Xaa Lys Glu Thr Arg Leu Arg Pro Thr Arg Ile Lys Ala Xaa Thr

1

5

10

15

Lys Thr His Ser Gly Arg Trp Xaa Arg Gly Xaa Gly Trp Lys Thr Met

20

25

30

His Glu Gly Xaa His Leu Phe Ser Leu Ala Xaa

35

40

7526

&lt;210&gt; 8500

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8500

Asp	Tyr	Xaa	Arg	Thr	Xaa	Tyr	Xaa	Phe	Xaa	Met	Thr	Ser	Asp	Lys	Asp
1				5					10					15	

His	Tyr	Asn	Cys	Pro	Thr	Xaa	Ser	Thr	Val	Tyr	Asn	Ile	Ala	Gly
			20					25					30	

&lt;210&gt; 8501

&lt;211&gt; 66

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids



7527

<220>  
 <221> SITE  
 <222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (13)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (44)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (53)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (58)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (59)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (63)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8501  
 Leu Tyr Val Xaa Lys Xaa Leu Ile Leu Asn Glu Gly Xaa Lys Leu Val  
   1                  5                  10                  15  
 Tyr Cys Val Leu Xaa Arg Gly Ile Thr Leu Cys Gly Ile Val Thr Gly  
           20                  25                  30  
 Ile Ser Glu Glu Glu Asn Gly Lys Met Arg Ser Xaa Ile Arg Arg Trp  
       35                  40                  45

7528

Val Asp His Arg Xaa Gln Cys Ile Thr Xaa Xaa Glu Asp Ile Xaa Lys  
50 55 60

Gly Lys  
65

&lt;210&gt; 8502

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8502

Asn Ser Leu Pro Ser Glu Leu Leu Thr Phe Xaa Leu Gly Ser Thr Ile  
1 5 10 15

Pro Arg Xaa Gly Asp Asn Gly Thr Asp Thr His Thr Xaa Pro His Arg  
20 25 30

Xaa His

&lt;210&gt; 8503

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

## 7529

<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (27)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8503  
Glu Trp Gly Arg Gly Gly Leu Lys Ile Leu Trp Gly Gly Xaa Ser Pro  
1 5 10 15  
Asn Ile Val Pro Pro Ser His Pro Arg Thr Xaa Leu His Ile Asp Ala  
20 25 30  
Xaa His Arg Gly Gly Ser Lys Leu Pro Leu Ser  
35 40

<210> 8504  
<211> 46  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (23)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (28)  
<223> Xaa equals any of the naturally occurring L-amino acids

## 7530

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8504

Ile Val Phe Lys Ala Xaa Arg Gly Asp Leu Gly Thr Leu Gly Glu Ser

1

5

10

15

Thr Xaa Arg Phe Gly Met Xaa Asn Pro Arg Tyr Xaa Ile Ile Glu Gln

20

25

30

Xaa Tyr Asp Arg Asn Leu Phe Ile Gln Gln Ser Trp Asp Val

35

40

45

&lt;210&gt; 8505

&lt;211&gt; 70

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7531

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (64)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (67)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (69)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8505

Xaa	Ala	Gln	Xaa	Arg	Asp	Gly	Ser	His	Leu	Xaa	Pro	Asp	Tyr	Ile	Xaa
1				5					10					15	

Phe	Asp	Thr	Phe	Thr	His	Lys	Val	Asp	Lys	Arg	Val	Thr	Lys	Phe	Val
			20						25					30	

Gln	Asn	Ser	His	Xaa	Pro	Arg	Ala	Xaa	Thr	Asp	Ser	Ala	Gly	Thr	Gln
			35					40					45		

Leu	Leu	Phe	Pro	Lys	Pro	Arg	Thr	Pro	His	Glu	Ser	Pro	Xaa	Pro	Xaa
		50				55					60				

Val	His	Xaa	Arg	Xaa	Gly
65					70

&lt;210&gt; 8506

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7532

<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8506  
Asn Glu Leu Gly Met Glu Arg Leu Ala Ser Met Leu Gly Met Pro Xaa  
1 5 10 15

Glu Ala Pro Xaa Asp Glu Asp Thr Ile Asn Leu Leu Trp Xaa Xaa Asp  
20 25 30

Gln Thr Thr  
35

<210> 8507  
<211> 56  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (4)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (6)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (26)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8507

## 7533

Xaa Thr Ala Xaa Met Xaa Gly Leu Lys Arg Asp Leu Gly Thr Lys Glu  
 1 5 10 15

Ile Arg Asn Cys Met Lys Glu Met Glu Xaa Arg Cys Ala His Cys Thr  
 20 25 30

Arg Leu Asn Lys Ala Ala Gly Gln Arg Asn Lys Asp Val His Thr Glu  
 35 40 45

Ser Val Cys Arg Leu Pro Glu Thr  
 50 55

<210> 8508

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8508

Met Arg Arg Ser Val Pro Ser Trp Xaa Xaa Glu Pro Ala Leu Pro Arg  
 1 5 10 15

Xaa Thr Leu Gly Tyr Pro Leu Leu Leu Pro Cys Cys Val Gly Arg  
 20 25 30

<210> 8509

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

## 7534

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8509

Ser	Pro	Xaa	Xaa	Gln	Gly	Val	Arg	Gln	Xaa	Arg	Lys	Cys	Cys	Val	Xaa
1				5					10					15	

Cys	His	Arg	Pro	Ser	Thr	Thr	Cys	Gly	Arg	Thr	Gln	Leu	Leu	Pro	Pro
			20					25					30		

Lys	Pro	Lys	Ala	Pro	Tyr	Asp	Leu	Arg	Thr	Leu	Arg	His	Val	Arg	Gly
		35					40					45			

Gly	Asp	Val	Thr	Thr	Lys	Thr	Arg	Xaa	Pro	Val	Gln	Pro	Gly	Pro	Trp
	50					55					60				

Thr	Ala	Trp	Xaa	Xaa	His	Asn	Ala	Arg	Gln	Ala	Thr	Glu	Glu	Gln	Ser
65					70					75					80

Thr Ala Arg Pro



7535

&lt;210&gt; 8510

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8510

Glu	Val	His	Arg	Leu	Thr	Cys	Val	Glu	Phe	Cys	Asp	Leu	Val	Cys	Arg
1				5				10					15		

Glu	Thr	Gly	Xaa	Leu	Lys	Xaa	Thr	Leu	Leu	Arg	Tyr	Gln	Leu	Leu	Met
			20					25					30		

Ile Ser

&lt;210&gt; 8511

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8511

Leu Lys Ser Xaa Leu Glu Thr Ser Tyr Ile Ser Leu Phe Asn Ile Xaa

## 7536

1	5	10	15											
Lys	Glu	Thr	Asn	Cys	Gln	Gly	Leu	Cys	Arg	Gln	His	Xaa	Ile	Ser
			20					25					30	

&lt;210&gt; 8512

&lt;211&gt; 64

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (48)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (52)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7537

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (62)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8512

Leu Ile Xaa Thr Thr Xaa Ser Glu Lys Pro Leu Pro Arg Ile Xaa Leu  
1 5 10 15

Lys Arg Thr Trp Thr Xaa Xaa Leu Phe Thr Asp Trp Leu Ser Ser Gln  
20 25 30

Glu Arg Thr Lys Ser Thr Thr Gly Ser Ser Arg Lys Ser Gly Xaa Xaa  
35 40 45

Leu Glu Ile Xaa Arg Glu Xaa Gln Cys Ser Glu Gly Glu Xaa Thr Ser  
50 55 60

&lt;210&gt; 8513

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (24)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

7538

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8513

Tyr	Thr	Cys	Ile	Val	Arg	Lys	Cys	Asp	Xaa	Ala	Arg	Val	Ser	Asn	Asn
1				5				10					15		

Xaa	Pro	Tyr	Lys	Pro	Gln	Gln	Xaa	Xaa	His	Leu	Ile	Phe	Arg	Lys	Lys
			20				25						30		

Arg

&lt;210&gt; 8514

&lt;211&gt; 76

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (50)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (53)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7539

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (67)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8514

Ala	Glu	Thr	Leu	Leu	Glu	Cys	Val	Xaa	Cys	His	Leu	Trp	Arg	Phe	Gly
1				5				10						15	

Leu	Xaa	Arg	Cys	Lys	Trp	Thr	Ala	Pro	Ser	Ala	Ala	Leu	Leu	Trp	Arg
		20					25						30		

Leu	Trp	Xaa	Glu	Glu	Leu	Val	Thr	Xaa	Val	Thr	Lys	Trp	Trp	Leu	Cys
		35					40					45			

Ala	Xaa	Leu	Pro	Xaa	Leu	Xaa	His	Gly	Pro	Ser	Val	Val	Arg	His	Leu
	50					55					60				

Gln	Arg	Xaa	Arg	Pro	Ala	Leu	His	Asp	Arg	Leu	Xaa
65					70				75		

&lt;210&gt; 8515

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8515

Tyr	Gly	Glu	Thr	Arg	Leu	Thr	Phe	Gly	Lys	Ala	Ala	Thr	Pro	Ala	Gly
1					5				10					15	

Thr	Gly	Pro	Glu	Phe	Pro	Gly	Leu	Pro	Thr	Leu	Xaa	Leu	Lys	Ser	Cys
			20					25					30		

Cys	Phe	Phe	His	Lys	Lys	Lys	Lys
		35				40	

7540

&lt;210&gt; 8516

&lt;211&gt; 64

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (33)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8516

Arg	Arg	Xaa	Trp	Glu	Arg	Thr	Thr	Glu	Lys	Trp	Xaa	Asp	Val	Asp	Gly
1				5				10					15		

Val	Pro	Leu	Val	Ser	Ala	Leu	Val	Leu	Leu	Trp	Gly	Asn	Val	Leu	Tyr
		20						25					30		

Xaa	Phe	Lys	Gly	Leu	Cys	Gly	Gln	Glu	Ser	Leu	Gly	Asn	Thr	Val	Pro
		35					40					45			

Asn	Val	Cys	Lys	Pro	His	Asp	Pro	Ile	Gln	Leu	His	Asp	Ser	Phe	Tyr
	50					55					60				

&lt;210&gt; 8517

&lt;211&gt; 80

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

## 7541

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (55)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8517

His Gly Gly Ala Ala Xaa Ala Pro Arg Arg Gly Arg Ala Ser Arg Ala  
1 5 10 15

Gly Ser Ala Pro Ala Leu Ser Arg Gly Gly Gly Ala Glu Asp Ala Pro  
20 25 30

Ala Ala Gly Ala Ser Ala Leu Ser Glu Ala Gly Arg Ala Ala Asp Ala  
35 40 45

Pro Gly Gln Gly Arg Glu Xaa Trp Arg Arg Arg Arg Met Ala Leu Thr  
50 55 60

Gly Ala Val Ser Glu Pro Leu Arg Ser Pro Gly Glu Ala Trp Pro Ser  
65 70 75 80

&lt;210&gt; 8518

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (23)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7542

<220>  
<221> SITE  
<222> (33)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (42)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8518  
Val Arg Asp Xaa Phe Gly Xaa Ala Pro Gly Pro Val Leu Pro Gly Arg  
1 5 10 15  
Pro Thr Arg Ala Lys Xaa Xaa Ile His Val Phe Glu His Leu Met Val  
20 25 30  
Xaa Thr Val Leu Asn Val Met Leu Gly Xaa Lys  
35 40

<210> 8519  
<211> 48  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (30)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (44)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (47)  
<223> Xaa equals any of the naturally occurring L-amino acids



7543

&lt;400&gt; 8519

Xaa Gly Asn Ala Pro Tyr Arg Val Arg Trp Asn Ala Arg Arg Tyr Arg  
 1 5 10 15  
 Ser Gly Ile Ser Gly Ser Thr His Ala Ser Gly Val Xaa Xaa Gly Leu  
 20 25 30  
 Gly Thr Thr Val Leu Met Glu Gly Glu Ala Thr Xaa Arg Lys Xaa Asp  
 35 40 45

&lt;210&gt; 8520

&lt;211&gt; 100

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (96)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7544

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (98)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (99)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (100)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8520

Xaa	Xaa	Tyr	Arg	Val	Arg	Trp	Asn	Ala	Arg	Arg	Tyr	Arg	Ser	Gly	Ile
1				5					10					15	

Xaa	Gly	Ser	Thr	His	Ala	Ser	Gly	Ala	Xaa	Arg	Asp	Gln	Ile	Arg	Glu
			20					25					30		

Pro	Val	Ser	Leu	Xaa	His	Gly	Leu	Arg	Arg	Pro	Arg	Val	Gly	Ala	Ala
		35					40					45			

Pro	Pro	Gln	Pro	Ala	Ala	His	Ala	His	Leu	Leu	Glu	Arg	Leu	Leu	Gln
	50					55					60				

Leu	Arg	Pro	Val	His	Arg	Leu	Pro	Gly	Ala	His	Ala	Ala	Gly	Pro	Ala
65				70					75					80	

Leu	Ser	Asp	Ala	Gln	Leu	Ala	Ala	Pro	Asp	Leu	Leu	Gly	Leu	Leu	Xaa
			85					90						95	

Ala	Xaa	Xaa	Xaa
			100

&lt;210&gt; 8521

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

## 7545

<222> (41)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (50)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (51)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (52)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (54)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8521  
Gly His Pro Ser Ala Arg Gly Asn Cys Leu Thr Gly Val Cys Leu Cys  
1 5 10 15  
Pro Phe Glu Pro Leu Xaa Phe Tyr Leu Ala Gln Ala Pro Arg Phe Met  
20 25 30  
Phe Ser Arg Ser Lys Leu Cys Met Xaa Ser Leu Arg Arg Leu Gly Glu  
35 40 45  
Glu Xaa Xaa Xaa Gln Xaa Trp Asp  
50 55

<210> 8522  
<211> 40  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (9)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (11)

## 7546

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

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<220>

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<222> (20)

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<220>

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<222> (24)

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<220>

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<222> (27)

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<220>

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<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8522

Arg	Glu	Lys	Cys	Pro	His	Leu	Leu	Xaa	Ser	Xaa	Ser	Leu	Thr	Xaa	Ser
1				5				10				15			

His	Xaa	Leu	Xaa	Ser	Asp	Pro	Xaa	Phe	Thr	Xaa	Asp	Leu	Pro	Leu	Leu
		20						25				30			

Arg	Ser	Ser	Ser	Ser	Xaa	Xaa	Thr
		35					40

<210> 8523

<211> 32

7547

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8523

Xaa	Xaa	Lys	Ala	Pro	Val	Arg	Ile	Trp	Arg	Val	Asp	Pro	Arg	Cys	Pro
1				5				10						15	

Xaa	Xaa	Phe	Leu	Leu	Gly	Asn	Ala	Xaa	Asn	His	Val	Leu	Asp	Glu	Cys
			20					25					30		

&lt;210&gt; 8524

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

7548

&lt;221&gt; SITE

&lt;222&gt; (12)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8524

Gly	Trp	Asn	Ala	Arg	Arg	Tyr	Arg	Xaa	Gly	Ile	Xaa	Gly	Ser	Thr	His
1				5				10					15		

Ala	Xaa	Gly	His	Asn	Xaa	Gly	Ser	Pro	Gly	Leu	Lys	Gln	Xaa	Gly	Trp
			20					25					30		

Asn	Pro	Gln
		35

&lt;210&gt; 8525

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (4)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (14)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7549

<220>  
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<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (54)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8525  
Thr Thr Asp Xaa Ser Glu Thr Xaa His Tyr Arg Val Arg Xaa Asn Ala  
1 5 10 15  
Arg Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly Thr  
20 25 30  
Leu Leu Lys Phe Leu Cys Lys Leu Gly Leu Cys Xaa Ser Xaa Ser Cys  
35 40 45  
Val Ser Arg Thr Val Xaa  
50

<210> 8526  
<211> 64  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (3)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>

7550

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<220>  
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<220>  
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<220>  
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<220>  
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<222> (54)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8526  
Thr Leu Xaa Xaa Ser Pro Xaa Glu Ser Ala Xaa His Ala Ser Asn Trp  
1 5 10 15  
Pro Thr Ala Cys Leu Ser Ala Asp Glu Leu Arg Ile Cys Lys Thr Val  
20 25 30  
Gln Leu Gln Gln Xaa Ser Leu Ser Arg Thr Ser Xaa Ala Thr His Xaa  
35 40 45  
His Arg Ile Ser Leu Xaa Ile Val Leu Cys Ser Ala Asn Gly Met Leu  
50 55 60

<210> 8527  
<211> 47  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (2)  
<223> Xaa equals any of the naturally occurring L-amino acids



## 7551

<220>  
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 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (26)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (32)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (36)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8527  
 Tyr Xaa Xaa Asp Asp Leu Phe Pro Pro Cys Ala Gly Lys Arg His Arg  
     1                    5                    10                    15  
 Arg Pro Gly Ile Ala Lys Leu Ser Leu Xaa Lys Asp Asp Leu Asp Xaa  
                     20                    25                    30  
 Ser Arg Ala Xaa Ala Ser Ser Arg Arg Gly Arg Phe Val Lys Pro  
             35                    40                    45

<210> 8528  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (21)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (24)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (26)

7552

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8528

Tyr	Ala	Asp	Asp	Ile	Arg	Leu	Phe	Ser	Lys	His	Pro	Pro	Ser	Ser	Thr
1				5					10					15	

Glu	Cys	Asp	Val	Xaa	Pro	Gln	Xaa	Leu	Xaa	Gly	Leu	Arg	Trp	Xaa	His
			20					25					30		

Ser	Ser	Leu	Glu
			35

<210> 8529

<211> 27

<212> PRT

<213> Homo sapiens

<220>

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<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8529

Leu Pro Val Tyr Xaa Gly Xaa Leu Gly Thr Thr Arg Asn Leu Asn Ser

## 7553

1                      5                      10                      15  
 Lys Trp Pro Ser Xaa Xaa Thr Leu Cys Ile Xaa  
                     20                      25

<210> 8530  
 <211> 38  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (1)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (3)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (14)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (27)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (28)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (34)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8530  
 Xaa Thr Xaa Pro Lys Gln Ala Ser Arg Asn Ser Gly Arg Xaa Gln Gly  
   1                      5                      10                      15  
 Cys Ser Val Gln Ala Thr Cys Val Ala Arg Xaa Xaa Leu Tyr Leu Leu  
                     20                      25                      30  
 Phe Xaa Thr Asn Ala Ala  
                     35

7554

&lt;210&gt; 8531

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (13)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (16)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (28)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8531

Ile Gly Gly Ser Met Trp Ile Xaa Cys Leu Ile Ser Xaa Ala Ser Xaa

1

5

10

15

His Leu Leu Arg Ala Val Ile Glu Pro Ser Ser Xaa Ala Thr Gly Glu

20

25

30

His Met

&lt;210&gt; 8532

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

## 7555

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 <220>  
 <221> SITE  
 <222> (7)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <400> 8532  
 Trp Thr Xaa Xaa Arg Pro Xaa Gly Val Val Pro Asn Ser Ser Leu Xaa  
 1 5 10 15  
  
 Cys Arg Gln Asp Leu Asn Thr Asn Glu Ile Leu Gln Pro Leu Thr Glu  
 20 25 30  
  
 Asn Arg Ala His Arg Ser Ser Val Thr Lys Gly Glu Thr Leu Thr  
 35 40 45  
  
 <210> 8533  
 <211> 44  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
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 <222> (1)  
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 <220>  
 <221> SITE  
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 <220>  
 <221> SITE  
 <222> (12)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (26)  
 <223> Xaa equals any of the naturally occurring L-amino acids

7556

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8533

Xaa Val Asp Arg Ser Val Ser Xaa Ala Glu Pro Xaa Leu Pro Thr Leu  
1 5 10 15

His Pro Arg Val His Phe Ser Ala Leu Xaa Leu Arg Xaa His Thr Thr  
20 25 30

Asp Ser Thr Thr Thr Cys Xaa Gly Arg Arg Leu Ser  
35 40

&lt;210&gt; 8534

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (47)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7557

&lt;400&gt; 8534

```

Asn Pro Leu Thr Thr Arg Arg Ala Pro Val Xaa Trp Ala Val Cys Leu
 1             5             10             15

Gly Leu Trp Xaa Ser Xaa Asn Gly Arg Leu Xaa Ser Ala Pro Ile Arg
          20             25             30

Thr Leu Glu Ser Gly Ser Ser Leu Met Ser Ser Arg Pro Pro Xaa Arg
          35             40             45

Met Glu Gln Leu Leu Asp Gly Thr
 50             55

```

&lt;210&gt; 8535

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8535

```

Gly Lys Xaa Pro Gly Thr Ser Trp Xaa Lys Gly Pro Pro Phe Xaa Gly
 1             5             10             15

```

```

Lys Thr Gly Pro Arg Lys Lys Gly Arg Xaa Xaa Arg Ala Ala Thr Lys

```

7558

20

25

30

Pro

&lt;210&gt; 8536

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (27)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8536

Cys Leu Ile Ala Trp Leu Pro Xaa Ile Ser Thr Ile Ile Phe Leu Gly

1

5

10

15

Lys Phe Ser Phe Phe Cys Lys Pro Thr Ser Xaa Asp Xaa Xaa Asn His

20

25

30

Phe Leu

&lt;210&gt; 8537

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE



## 7559

<222> (4)  
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<220>  
<221> SITE  
<222> (5)  
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<400> 8537  
Ser Ala Ala Xaa Xaa Ser Arg Gln Ser Ala Thr Ile Glu Ala Ala  
1 5 10 15

<210> 8538  
<211> 81  
<212> PRT  
<213> Homo sapiens

<220>  
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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<220>  
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<220>  
<221> SITE

## 7560

&lt;222&gt; (76)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8538

Ala Pro Phe Pro Tyr Leu Ser Leu Leu Xaa Ser Pro Gly Leu Pro Leu  
 1 5 10 15

Met Thr Ser Pro Leu Pro Ser Thr Asp Leu Ile Phe Asn Ser Ala Thr  
 20 25 30

Pro Ser Ser Asn Pro Leu Xaa Phe Pro Ile Leu Leu Leu Xaa Cys Ile  
 35 40 45

Glu Gly Ser Met His Xaa Gly Val Ser Ser Gly Phe Arg Gly Pro Xaa  
 50 55 60

His Pro Xaa Ala Thr Leu Asp Leu Cys Pro Pro Xaa Pro Gln Ser Pro  
 65 70 75 80

His

&lt;210&gt; 8539

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (8)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (20)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8539

Arg Gln Ile His Ser Thr Xaa Xaa Val Arg Asp Pro Trp Ala Tyr Arg  
 1 5 10 15

Val Phe Pro Xaa Gln Cys Ala Glu Trp Lys Pro Leu Pro Asp Pro Phe  
 20 25 30

7561

Pro Asn Trp Ser Cys  
35

&lt;210&gt; 8540

&lt;211&gt; 93

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8540

Thr Lys Tyr Pro Pro Ile Lys Lys Val Ile Asn Trp Val Thr Glu Ala  
1 5 10 15

Glu Ile Thr Ile Tyr Val Leu Gln Tyr Pro Ala Ala His Pro Asn Met  
20 25 30

Glu Ala Gly Pro Pro Glu Ser Gly Glu Ser Thr Asp Ala Leu Lys Leu  
35 40 45

Cys Pro His Glu Glu Phe Leu Arg Leu Cys Lys Glu Arg Ala Glu Glu  
50 55 60

Ile Tyr Pro Ile Lys Glu Arg Asn Asn Arg Thr Arg Leu Ala Leu Ile  
65 70 75 80

Ile Cys Asn Thr Glu Phe Asp His Leu Pro Pro Arg Asn  
85 90

&lt;210&gt; 8541

&lt;211&gt; 120

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (105)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8541

Val Cys Gly Ala Glu Glu Gly Cys Gly Cys Cys Leu His Glu Gln Val  
1 5 10 15

Glu Leu Glu Ala Lys Val Asp Ala Leu Asn Asp Glu Ile Asn Phe Leu  
20 25 30

Arg Thr Leu Asn Glu Thr Glu Leu Thr Glu Leu Gln Ser Gln Ile Ser  
35 40 45

## 7562

Asp Thr Ser Val Val Leu Ser Met Asp Asn Ser Arg Ser Leu Asp Leu  
50 55 60

Asp Gly Ile Ile Ala Glu Val Lys Ala Gln Tyr Glu Glu Met Ala Lys  
65 70 75 80

Cys Ser Arg Ala Glu Ala Glu Ala Trp Tyr Gln Thr Lys Phe Glu Thr  
85 90 95

Leu Gln Ala Gln Ala Gly Lys His Xaa Asp Asp Leu Arg Asn Thr Arg  
100 105 110

Asn Glu Ile Ser Glu Met Asn Arg  
115 120

<210> 8542

<211> 72

<212> PRT

<213> Homo sapiens

<220>

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<222> (14)

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<221> SITE

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<222> (46)

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<220>

<221> SITE

<222> (47)

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<220>

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<222> (51)

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7563

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<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (65)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
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 <222> (71)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 8542  
 Leu Pro Leu Ser Lys Leu Thr Leu Thr Lys Gly Asn Lys Xaa Trp Ser  
 1 5 10 15  
 Ser Thr Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys  
 20 25 30  
 Lys Glu Ile Arg Xaa Asn Ser Gln Xaa Thr Ala Lys Val Xaa Xaa Thr  
 35 40 45  
 Pro Pro Xaa Ile Pro Ser Tyr Xaa Gly Pro Xaa Glu Ser Ser Cys Ser  
 50 55 60  
 Xaa Asn Gln Ala Xaa Phe Xaa Pro  
 65 70

}

<210> 8543  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE

## 7564

&lt;222&gt; (2)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8543

Ala Xaa Xaa Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val Ala  
1 5 10 15

Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg  
20 25 30

Val Pro Phe  
35

&lt;210&gt; 8544

&lt;211&gt; 87

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (67)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8544

Val Met Lys Val Trp Asp Ala His Val Thr Ala Val Cys Ser Gln Asp  
1 5 10 15

Ala Ser Glu Leu Val Xaa Lys Leu Gly Ala Asp Asp Val Ile Asp Tyr  
20 25 30

Lys Ser Gly Ser Val Glu Glu Gln Leu Lys Ser Leu Lys Pro Phe Asp  
35 40 45

Phe Ile Leu Asp Asn Val Gly Gly Ser Thr Glu Thr Trp Ala Pro Asp  
50 55 60

Phe Leu Xaa Lys Trp Ser Gly Ala Thr Tyr Val Thr Leu Val Thr Pro  
65 70 75 80

## 7565

Phe Leu Leu Asn Met Asp Arg  
85

<210> 8545

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8545

Val	Xaa	Leu	Xaa	Ile	Asn	Met	Leu	Ala	Phe	Ile	Pro	Val	Leu	Thr	Lys
1				5					10					15	

Lys	Ile	Asn	Pro	Arg	Ser	Thr	Glu	Ala	Ala	Ile	Lys	Tyr	Phe	Leu	Thr
			20					25					30		

Gln	Ala	Thr	Ala	Ser	Ile	Ile	Leu	Leu	Ile	Ala	Ile	Leu	Phe	Asn	Asn
		35					40					45			

Ile	Leu	Ser	Gly	Gln
				50

<210> 8546

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

7566

<221> SITE  
<222> (31)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (34)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (58)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (67)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (83)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (85)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8546  
Ile Asn Met Leu Ala Phe Ile Pro Val Leu Xaa Lys Lys Ile Asn Pro  
1 5 10 15  
Arg Ser Thr Glu Ala Ala Ile Xaa Leu Phe Pro His Ala Ser Xaa Arg  
20 25 30  
Ile Xaa Xaa Pro Ser Asn Gly Tyr Pro Leu Gln Gln Tyr Thr Leu Arg  
35 40 45  
Asn Asn Glu Thr Ile Thr Asn Thr Thr Xaa Gln Tyr Ser Ser Leu Asp  
50 55 60  
Lys His Xaa Gly Tyr Trp Gln Leu Lys Leu Gly Ile Ala Pro Leu Ser  
65 70 75 80  
Leu Leu Xaa Pro Xaa Arg Leu Pro Gln Gly Thr Pro



7567

85

90

&lt;210&gt; 8547

&lt;211&gt; 53

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8547

Leu Pro Gln Leu Asn Gly Tyr Ile Glu Lys Ser Thr Pro Tyr Glu Cys  
1 5 10 15

Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys Phe  
20 25 30

Phe Leu Val Ala Ile Thr Phe Leu Leu Phe Asp Leu Glu Ile Ala Leu  
35 40 45

Leu Leu Pro Leu Pro  
50

&lt;210&gt; 8548

&lt;211&gt; 179

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (160)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (175)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (178)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8548

Val Asn Ile Ala His Gln Ile Ser Leu Arg Ser Glu Ala Phe Phe His  
1 5 10 15

Ala Met Thr Ser Gln His Glu Leu Gln Asp Tyr Leu Arg Lys Thr Ser  
20 25 30

## 7568

Gln Ala Val Lys Met Leu Arg Asp Lys Ile Ala Gln Ile Asp Lys Val  
           35                          40                          45  
 Met Cys Glu Gly Ser Leu His Ile Leu Arg Leu Ala Leu Thr Arg Asn  
           50                          55                          60  
 Asn Cys Val Lys Val Tyr Asn Lys Leu Lys Leu Met Ala Thr Val His  
           65                          70                          75                          80  
 Gln Thr Gln Pro Thr Val Gln Val Leu Leu Ser Thr Ser Glu Phe Val  
                           85                          90                          95  
 Gly Ala Leu Asp Leu Ile Ala Thr Thr Gln Glu Val Leu Gln Gln Glu  
                           100                          105                          110  
 Leu Gln Gly Ile His Ser Phe Arg His Leu Gly Ser Gln Leu Cys Glu  
           115                          120                          125  
 Leu Glu Lys Leu Ile Asp Lys Met Met Ile Ala Glu Phe Ser Thr Tyr  
           130                          135                          140  
 Ser His Ser Asp Leu Asn Arg Pro Leu Glu Asp Asp Cys Gln Val Xaa  
           145                          150                          155                          160  
 Lys Glu Glu Arg Leu Ile Ser Leu Gly Phe Gly Phe Lys Thr Xaa Lys  
                           165                          170                          175  
 Ala Xaa Phe

<210> 8549  
 <211> 165  
 <212> PRT  
 <213> Homo sapiens

<400> 8549  
 Glu Glu His Pro Leu Ser Leu Gly Asp Gln Val Thr Pro Ile Ile Asp  
       1                          5                          10                          15  
 Leu Met Ala Ile Ser Asn Ala His Phe Ala Lys Leu Arg Asp Phe Ile  
           20                          25                          30  
 Thr Leu Arg Leu Pro Pro Gly Phe Pro Val Lys Ile Glu Ile Pro Leu  
           35                          40                          45  
 Phe His Val Leu Asn Ala Arg Ile Thr Phe Ser Asn Leu Cys Gly Cys  
           50                          55                          60  
 Asp Glu Pro Leu Ser Ser Val Trp Val Pro Ala Pro Ser Ser Ala Val

## 7569

65		70		75		80
Ala Ala Ser Gly Asn Pro Phe Pro Cys Glu Val Asp Pro Thr Val Phe						
	85		90		95	
Glu Val Pro Asn Gly Tyr Ser Val Leu Gly Met Glu Arg Asn Glu Pro						
	100		105		110	
Leu Arg Asp Glu Asp Asp Asp Leu Leu Gln Phe Ala Ile Gln Gln Ser						
	115		120		125	
Leu Leu Glu Ala Gly Thr Glu Ala Glu Gln Val Gly Leu Ala Gln Gly						
	130		135		140	
Val Gly Ser Gly Leu Cys Arg His Thr Ala Glu Val Thr Ala Val Gly						
	145		150		155	160
Ser Gly Gly Cys Arg						
	165					

&lt;210&gt; 8550

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (15)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (18)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (39)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8550

Ile Gly Gly Ile Thr Ala Pro Thr Val Arg Gln Tyr Tyr Ala Xaa Leu
1 5 10 15

## 7570

Thr Xaa Thr Gln Cys Lys Pro Val Xaa Thr Gln Cys Trp Val Phe Gly  
                   20                                  25                                  30

Val Ile Gly Phe Leu Gly Xaa Pro Leu Phe Ala  
                   35                                  40

<210> 8551

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8551

Gln Lys Ile Cys Leu Ile Gln His Glu Arg Cys His Thr Gly Lys Thr  
   1                                  5                                  10                                  15

Pro Phe Val Cys Thr Glu Cys Gly Lys Ser Tyr Ser His Lys Tyr Gly  
                   20                                  25                                  30

Leu Ile Thr His Gln Arg Ile His Thr Gly Glu Lys Pro Tyr Glu Cys  
                   35                                  40                                  45

Asn Glu Cys Gly Lys Ala Phe Thr Thr Lys Ser Val Leu Asn Val His  
                   50                                  55                                  60

Gln Arg Thr His Thr Gly Glu Arg Pro Tyr Gly Cys Ser Asp Cys Glu  
   65                                  70                                  75                                  80

Lys Ala Phe Ser His Leu Ser Asn Leu Val Lys His Lys Lys Met His  
                                   85                                  90                                  95

Thr Arg Xaa Met Gly Arg Ile Ser Gln Val Glu Asn Ser Cys Asn Xaa  
                   100                                  105                                  110

Glu Ser Gln Leu Leu Pro Tyr Lys  
                   115                                  120

<210> 8552

## 7571

&lt;211&gt; 155

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 8552

Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Val Ser Gly Ala Ile  
 1 5 10 15

Arg Ala Xaa Pro Asp Gly Thr Ser Trp Ser Cys Glu Gly Thr Gln Gly  
 20 25 30

Gln Glu Lys Met Met Met Met Gly Pro Lys Glu Glu Glu Gln Ser Cys  
 35 40 45

Glu Tyr Glu Thr Arg Leu Pro Gly Asn His Ser Thr Ser Gln Glu Ile  
 50 55 60

Phe Arg Gln Arg Phe Arg His Leu Arg Tyr Gln Glu Thr Pro Gly Pro  
 65 70 75 80

Arg Glu Ala Leu Ser Gln Leu Arg Val Leu Cys Cys Glu Trp Leu Arg  
 85 90 95

Pro Glu Lys His Thr Lys Glu Gln Ile Leu Glu Phe Leu Val Leu Glu  
 100 105 110

Gln Phe Leu Thr Ile Leu Pro Glu Glu Leu Gln Ser Trp Val Arg Gly  
 115 120 125

His His Pro Lys Ser Gly Glu Glu Ala Val Thr Val Leu Glu Asp Leu  
 130 135 140

Glu Lys Gly Leu Glu Pro Glu Pro Gln Ser Gln  
 145 150 155

&lt;210&gt; 8553

&lt;211&gt; 43

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (10)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

7572

&lt;400&gt; 8553

Val Trp Glu Gly Leu Gln Glu Thr Ala Xaa Ala Ser Gln Cys Ile Lys  
 1 5 10 15

Gly Ser Thr Gln Val Lys Pro His Tyr Glu Cys Asp Glu Cys Gly Lys  
 20 25 30

Ala Tyr Ile Ser His Ser Ser Leu Ile Gln Ser  
 35 40

&lt;210&gt; 8554

&lt;211&gt; 68

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8554

Pro Ile Leu Pro Leu Ser Thr Leu Lys Ala Trp Ser Gly Ala Ala Leu  
 1 5 10 15

Thr Val His Leu Leu Phe Arg Pro Gln Ile Ala Leu Ser Pro Ser Asp  
 20 25 30

Pro Leu Ser Cys Arg Pro Gly Asn Ala Cys Cys Gln His Arg Pro Leu  
 35 40 45

Pro Gly Ser Ser Gly Gln Pro Gly Ala Gly Val Leu Arg Lys Pro Pro  
 50 55 60

Pro Gln Ala Leu  
 65

&lt;210&gt; 8555

&lt;211&gt; 733

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8555

gggatccgga gcccaaattct tctgacaaaa ctcacacatg cccaccgtgc ccagcacctg 60  
 aattcgaggg tgcaccgtca gtcttctctt tcccccaaaa acccaaggac accctcatga 120  
 tctcccgga tcttgaggtc acatgcgtgg tgggtggacgt aagccacgaa gaccctgagg 180  
 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240  
 aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300  
 ggctgaatgg caaggagtag aagtgcaagg tctccaacaa agccctccca acccccatcg 360  
 agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420  
 catcccgga tgagctgacc aagaaccagg tcagcctgac ctgcctgggc aaaggcttct 480  
 atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga 540  
 ccacgcctcc cgtgctggac tccgacggct ccttcttctt ctacagcaag ctcaccgtgg 600

## 7573

acaagagcag gtggcagcag gggaaacgtct tctcatgctc cgtgatgcat gaggctctgc 660  
acaaccacta cagcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc 720  
gactctagag gat 733

<210> 8556

<211> 5

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any amino acid

<400> 8556

Trp Ser Xaa Trp Ser

1

5

<210> 8557

<211> 86

<212> DNA

<213> Artificial Sequence

<220>

<221> Primer\_Bind

<223> Synthetic sequence with 4 tandem copies of the GAS binding site found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)), 18 nucleotides complementary to the SV40 early promoter, and a Xho I restriction site.

<400> 8557

ggcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc 60  
cccgaatat ctgccatctc aattag 86

<210> 8558

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<221> Primer\_Bind

<223> Synthetic sequence complementary to the SV40 promoter and including a Hind III restriction site.

<400> 8558

gcggcaagct ttttgcaaag cctaggc

27

<210> 8559

<211> 271

7574

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;221&gt; Protein\_Bind

<223> Synthetic promoter for use in biological assays; includes GAS binding sites found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)).

&lt;400&gt; 8559

```
ctcgagattt ccccgaaatc tagatttccc cgaaatgatt tccccgaaat gatttccccg 60
aaatatctgc catctcaatt agtcagcaac catagtcccg cccctaactc cgcccatccc 120
gcccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180
ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
ttttggaggc ctaggctttt gcaaaaagct t 271
```

&lt;210&gt; 8560

&lt;211&gt; 32

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;221&gt; Primer\_Bind

<223> Synthetic primer complementary to human genomic EGR-1 promoter sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); including an Xho I restriction site.

&lt;400&gt; 8560

```
gcgctcgagg gatgacagcg atagaacccc gg
```

32

&lt;210&gt; 8561

&lt;211&gt; 31

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;221&gt; Primer\_Bind

<223> Synthetic primer complementary to human genomic EGR-1 promoter sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); including an Hind III restriction site.

&lt;400&gt; 8561

```
gcgaagcttc gcgactcccc ggatccgcct c
```

31

&lt;210&gt; 8562

&lt;211&gt; 12

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8562

```
ggggactttc cc
```

12



7575

&lt;210&gt; 8563

&lt;211&gt; 73

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;221&gt; Primer\_Bind

<223> Synthetic primer with 4 tandem copies of the NF-KB binding site (GGGGACTTTTCCC), 18 nucleotides complementary to the 5' end of the SV40 early promoter sequence, and a XhoI restriction site.

&lt;400&gt; 8563

```
gcggcctcga ggggactttc ccgggggactt tccgggggact ttccgggact ttccatcctg 60
ccatctcaat tag 73
```

&lt;210&gt; 8564

&lt;211&gt; 256

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;221&gt; Protein\_Bind

<223> Synthetic promoter for use in biological assays; including NF-KB binding sites.

&lt;400&gt; 8564

```
ctcgagggga ctttcccggg gactttccgg ggactttccg ggactttcca tctgccatct 60
caattagtca gcaaccatag tcccgcccct aactccgccc atcccgcccc taactccgcc 120
cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
ggcgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
cttttgcaaa aagctt 256
```



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# PATENT COOPERATION TREATY

## PCT

### DECLARATION OF NON-ESTABLISHMENT OF INTERNATIONAL SEARCH REPORT

(PCT Article 17(2)(a), Rules 13ter and 39)

Applicant's or agent's file reference PA005PCT	IMPORTANT DECLARATION	Date of mailing (day/month/year) <b>APR 30 2001</b>
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International Patent Classification (IPC) or both national classification and IPC IPC(7): C07H 21/04 US CI: 536/23.1		
Applicant HUMAN GENOME SCIENCES, INC.		

This International Searching Authority hereby declares, according to Article 17(2)(a), that **no international search report will be established** on the international application for the reasons indicated below.

1. ☐ The subject matter of the international application relates to:
  - a. ☐ scientific theories.
  - b. ☐ mathematical theories.
  - c. ☐ plant varieties.
  - d. ☐ animal varieties.
  - e. ☐ essentially biological processes for the production of plants and animals, other than microbiological processes and the products of such processes.
  - f. ☐ schemes, rules or methods of doing business.
  - g. ☐ schemes, rules or methods of performing purely mental acts.
  - h. ☐ schemes, rules or methods of playing games.
  - i. ☐ methods for treatment of the human body by surgery or therapy.
  - j. ☐ methods for treatment of the animal body by surgery or therapy.
  - k. ☐ diagnostic methods practiced on the human or animal body.
  - l. ☐ mere presentations of information.
  - m. ☐ computer programs for which this International Searching Authority is not equipped to search prior art.
2. ☐ The failure of the following parts of the international application to comply with prescribed requirements prevents a meaningful search from being carried out:
 

☐ the description
 ☐ the claims
 ☐ the drawings
3. ☒ The failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions prevents a meaningful search from being carried out.
 

☐ the written form has not been furnished or does not comply with the standard.  
☒ the computer readable form has not been furnished or does not comply with the standard.
4. Further comments:  
The computer readable form is defective. See attached CRF Problem Report.

Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	Authorized officer  STEPHEN SIU
Facsimile No. (703) 305-3230	Telephone No. (703) 308-1235

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Form PCT/ISA/203 (July 1998) \*